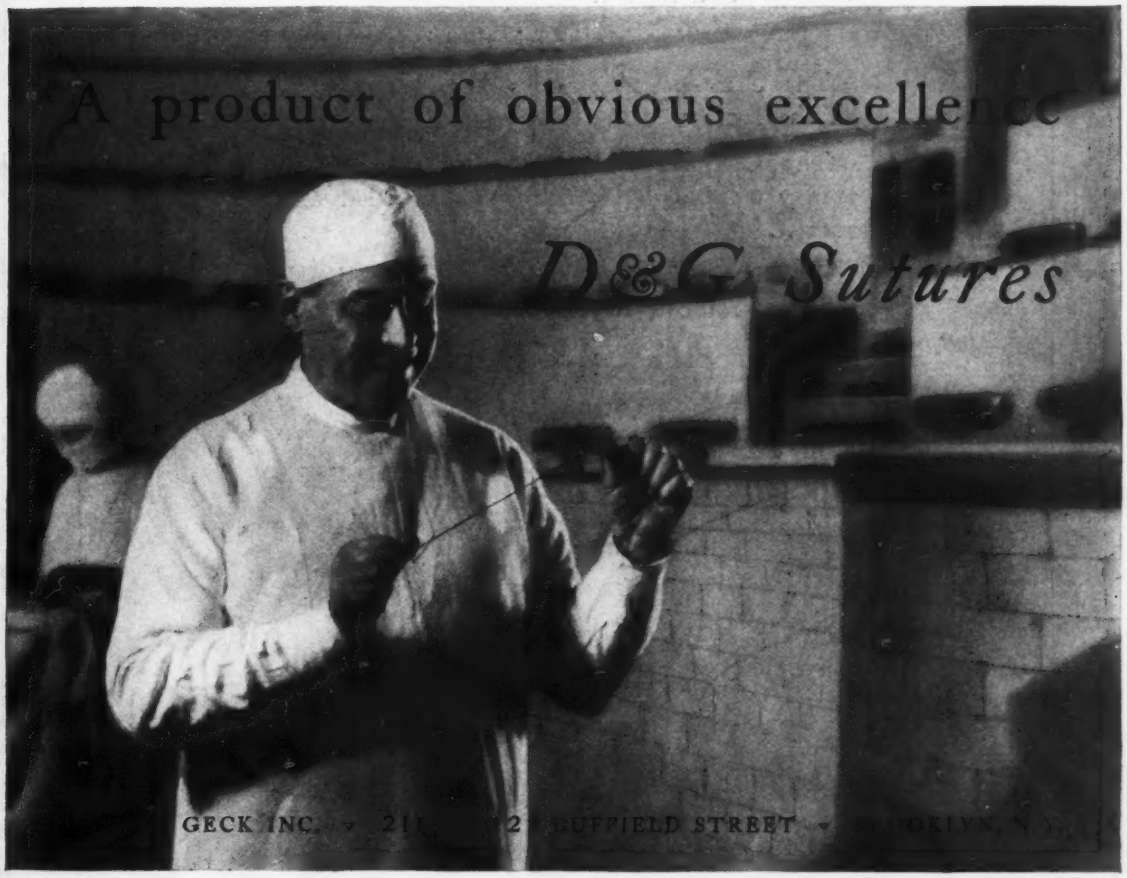
APR 14 1928

THE Canadian Hospital

A Monthly Journal for Hospital Executives

Toronto, Can. *The Edwards Publishing Company* April, 1928



ANNUAL DIRECTORY NUMBER

Keep this Copy for Reference Purposes when Buying Equipment and Supplies.

When Your Hospital Needs Money

Do not fail to give complete and open-minded consideration to the Campaign Method.

The Campaign Method is comprehensive, complete and logical.

The Campaign Method is discriminating.

The Campaign Method takes into account all the factors of importance.

The Campaign Method gathers up every money raising plan which has succeeded and uses it.

The Campaign Method is not sensational; it is not radical; it is simply practical.

The members of Pierce & Hedrick, Incorporated, represent the very highest achievement in the development of the Campaign Method.

CANADIAN REFERENCES

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[Incorporated]

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XUM

XUM

To relieve and prevent a fundamental ill

TO SECURE the regular and natural elimination of the intestinal tract is a primary aim in all disorders. Physicians appreciate the aid of Kellogg's ALL-BRAN in those cases where the use of bran is indicated. ALL-BRAN will correct and prevent constipation *naturally*—by means of healthful roughage. Hence, it is being recommended more and more generally, everywhere.

Kellogg's ALL-BRAN is 100% effective because it is 100% bran. It supplies the bulk, so conducive to proper peristaltic movement, in generous quantities. No part-bran product can more than *partly* accomplish the desired result.

Cooked and krumbled by a special process, Kellogg's ALL-BRAN has a distinctive, delicious flavor. A delightful "prescription." To serve regularly with milk or cream, with fruits or honey, or to use in cooking.

Made by Kellogg in London, Ontario. Sold by all grocers. Served everywhere.

Look for this signature W. K. Kellogg

Kellogg's

ALL-BRAN

Please refer to THE CANADIAN HOSPITAL when writing

Why The Leclerc Catguts Are Used Exclusively By Many Leading Surgeons

The Leclerc Catguts are preferred not only by those surgeons who have studied abroad and come to know the Leclerc Catguts in the French hospitals. These Catguts are now being adopted by many English and American hospitals, because of their greater suppleness and their better quality in general.

THE LECLERC CATGUTS HAVE MORE SUPPLENESS

1 These Catguts are preserved in alcohol in such a way that they attain exactly the proper degree of suppleness and do not need to be boiled. They are therefore more easily handled than, for example, the American Catguts, which are kept in chloroform. This suppleness is a most important feature during an operation, when every second counts and when the surgeon's work should be facilitated by all possible means.

2 ***The Leclerc Catguts are perfectly aseptic,*** because they are treated by a dip in a special formula immediately after the animal has been slaughtered. This asepsis is later scrupulously verified.

3 ***The Leclerc Catguts are endowed with a perfectly uniform resistance to traction:*** the surgeon is thus saved the trouble of having to test two or three catguts before he gets a suitable one.

4 ***The Leclerc Catguts are strong;*** this strength is obtained by carefully sorting the gut to be used and by reducing to a strict minimum all manipulation and chemical treatment.

The surgeon, using Leclerc Catguts, gives his patient the benefits of the very best catgut obtainable and at the same time covers his own responsibility for any post-operatory complications.

A booklet, giving detailed information on the manufacturing processes of the Leclerc Catguts, will be sent on request to surgeons.

SOLD IN ALL DRUG STORES AND HOSPITALS

HERDT & CHARTON, INC., 2027 McGill College Ave., Montreal

Please refer to THE CANADIAN HOSPITAL when writing

Why do hospitals use disinfectants?

THAT seems like a silly question. Hospitals know that a great many of their cases depend for success on complete and certain disinfection.

They know that the consequences of improper disinfection may be very serious, reflecting on the reputation of the institution and its staff.

Yet many hospitals use preparations for this purpose, of the reliability of which they cannot be sure. "Lysol" Disinfectant is of absolutely uniform strength, no matter where it is bought, or when it may have left the laboratory. It is neutral and completely soluble. Only the skill of chemist-specialists in the field, working with the facilities of large, well-equipped laboratories, can ensure these properties in a disinfectant.

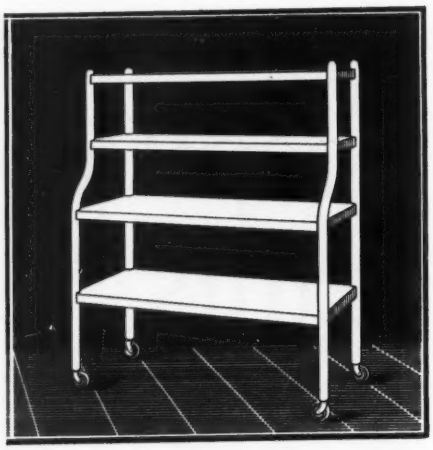
Protect the good name of your institution and safeguard your patients by refusing to use any disinfectant but "Lysol," which is manufactured in the Canadian Laboratories of Lysol (Canada) Limited.

Lysol Disinfectant

TRADE MARK LYSOL REGISTERED IN CANADA

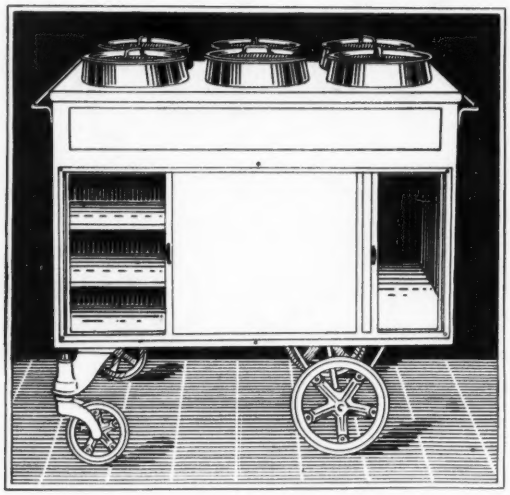
Manufactured in Canada by LYSOL (Canada) Limited
Distributed by LEHN & FINK (Canada) Limited
9 Davies Avenue, Toronto

Better Hospital Equipment



596—Shelf Stand

Two upper shelves 12" x 40", two lower shelves, 18" x 40", of polished Monel Metal. The finish of this frame is usually white but walnut, mahogany or any wood color can be had.



702—Food Carriage *(above)*

The body is 38" long, and 24" wide, 24" high, height over all including the 10" rubber tired wheels, is 36". Fitted with Push Handles, built of Monel Metal throughout. These carriages are made in many styles, with and without folding top covers, having flush containers. In fact, built in any design required, as well as a choice of finish.

1110—Nurse's Desk *(at left)*

With this filing system either Physician or Nurse can locate at a glance, the holder desired, as the name space is very readily seen. The holder proper is of Cast Aluminum taking up the smallest amount of space. For instance: the cut shows 30 charts, any multiple of five or ten charts can be had. The charts are rubber protected at the hanging points making it entirely noiseless. The working surface is of polished Monel Metal. The body finished to suit surroundings. As can be seen, lots of storage room in drawers is supplied. The size can be changed to suit.

MONEL METAL is now largely used on:—

Operating Room Circular Instrument Tables, Ward Tables, Dietitian Tables, Bedside Tables, Kitchen Tables, Baby Dressing Tables. Food Conveyors, Tray Carriages.

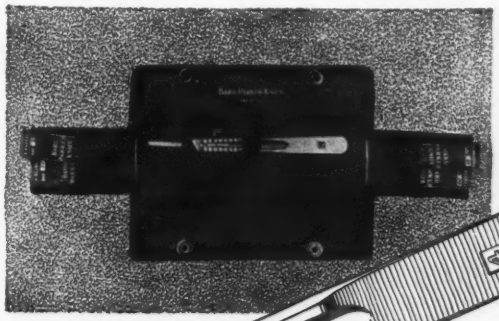
Monel Metal can be applied to almost any kind of Hospital Equipment.

The METAL CRAFT CO., Limited

Manufacturers of Hospital Equipment

GRIMSBY - ONTARIO

Set No. 105
One No. 4 handle and six each of Nos. 20, 21, 22 and 23 blades in leather case . . . $5.75



BARD-PARKER Knives are *sharp, safe* and *economical.* Because the used blades may be replaced by new, sharp blades, Bard-Parker Knives are always ready for instant use.

Prices — No. 4 handles — $1.00 each. Blades — six of one size per package—$1.50 per dozen.

Quantity discounts: Orders of 1 to 5 gross assorted sizes of blades, unit delivery—10%. Orders of 5 gross or more assorted sizes of blades, unit delivery — 15%. Send for illustrated circulars.

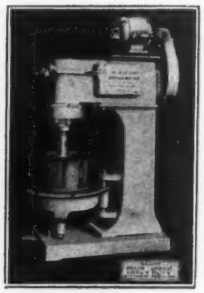
BARD-PARKER KNIFE

It's Sharp

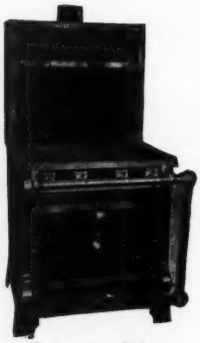
Bard-Parker products are sold direct to consumers through authorized Agents —located in the principal cities of the United States and Canada.

BARD-PARKER COMPANY, INC.
150 Lafayette Street, New York, N.Y.

Plate Warmers in many sizes and styles



Complete Hospital Bakery equipment

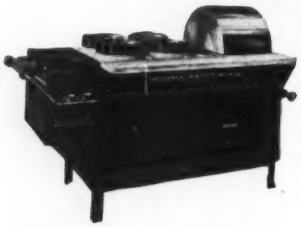


Ranges for all fuels

Cook's Table with Rack

"STANDARD"
KITCHEN EQUIPMENT

Used and Endorsed by Hospitals Everywhere



Hospital Ward Steam Tables in many sizes

Shown here are samples of "STANDARD" equipment in daily use in the kitchens of 38 of the country's leading hospitals.

Whether for country or city, there is "STANDARD" Kitchen Equipment to meet every hospital requirement.

Steam Cereal Cookers

Model No. 97
Hospital Steam Table Truck

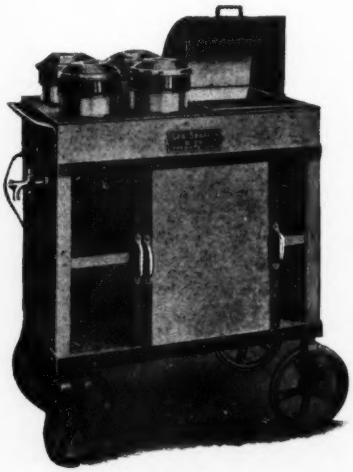
Send to-day for Catalogue No. 6

Geo. Sparrow & Co.

119 Church Street

Toronto - Ont.

Cook's and Kitchen Tables



Model 98
Hospital Steam Table Truck

"Wear-Ever"

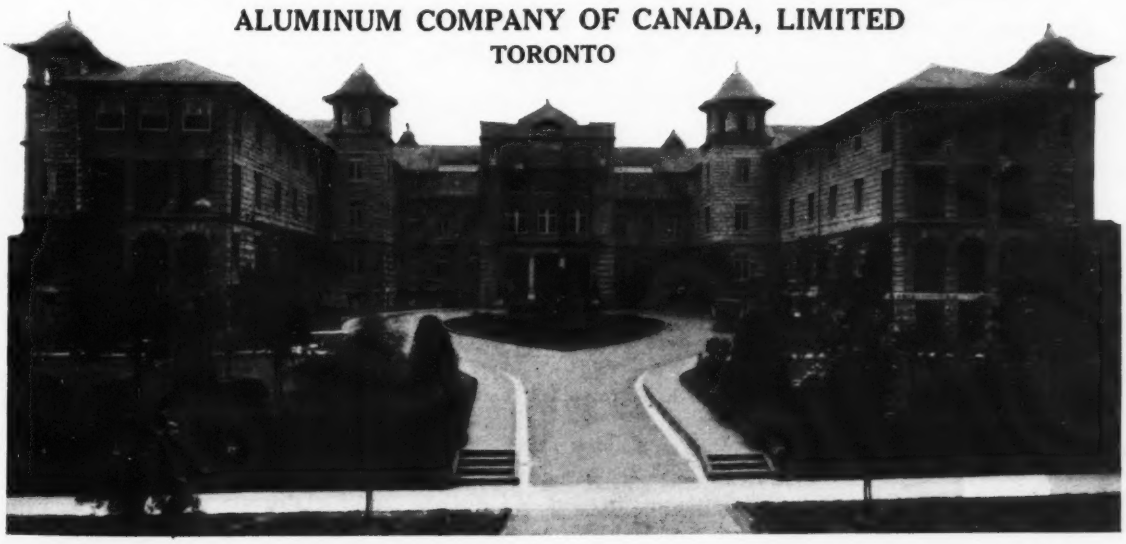
Aluminum Kitchen Ware

WEAR-EVER ALUMINUM TRADE MARK

"Wear-Ever" Steam-Jacketed Kettles and Utensils in the kitchens of the Vancouver General Hospital. BELOW. A view of the beautiful main entrance of this famous hospital.

"Wear-Ever" Aluminum Kitchen Ware meets every requirement of the modern hospital. It is sanitary, it assures wholesome and better flavored foods, it effects a saving of fuel and eliminates upkeep cost. Write us regarding the installation of **"Wear-Ever"** Equipment in your institution.

ALUMINUM COMPANY OF CANADA, LIMITED
TORONTO



Laboratory Model Very Satisfactory For Routine Work

Reichert Microscopes For Every Particular Need

CITU
Reichert Microscopes
CITU MODEL

STAND—Made with arm more curved at upper part to allow more space for handling the object.

FITTING DEVICE—The whole arm can be moved through an arc 0890°.

ADJUSTMENTS—Coarse and fine adjustment by means of a patented micrometer screw with side adjusting heads.

STAGE—Made of Hard Rubber Plate eleven centimeters square.

CONDENSER—Abbe Condenser made with side screw to quickly raise and lower as well as to remove the condenser from underneath the stage.

MIRROR—Concave and Plain.

Two Eye Pieces II-IV.

Three Objectives 3-7a-18b.

Magnification 40-1200.

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Burke Electric

THE SINE OF X-RAY SERVICE

"KELEKET"

X-RAY APPARATUS

SUPPLIES, ACCESSORIES AND SERVICE

Modern High Power X-Ray Laboratories

AMONG the many users of "Keleket" X-Ray Equipment in Eastern Canada there are a number of outstanding examples that, we think, will prove of interest to the profession at large, and it will be our endeavor to picture from time to time the equipment used.

Number two of this series is described in the following pages and will be recognized as one of the larger Chest institutions where first class X-Ray service is imperative.

To Institutions and Radiologists, we offer a highly specialized service in matters pertaining to X-Ray and Physiotherapy and are equipped to look after your requirements promptly and efficiently.

Address inquiries to the Head Office when a local representative will be detailed to furnish the information or service desired.

In addition to our Montreal Branch, a resident representative is now established in the Maritimes.

Distributors and Factory Representatives in Eastern Canada for:

The Kelley-Koett Co.—X-Ray Apparatus
The Burdick Corporation—Light Therapy Apparatus
The General X-Ray Co.—Morse Wave Generator, Audotor, etc.

THE BURKE ELECTRIC & X-RAY CO.

LIMITED

490 Yonge Street, TORONTO (5)
Kingsdale 5520
Nights, Sundays and Holidays
Hudson 3374F Trinity 0485

219 Medical Arts Building
MONTREAL

Complete X-Ray and Physiotherapy Installations for the Hospital

Burke Ele

THE SINE OF X-RAY SI

A Modern High Power

using "KELEK Apparat

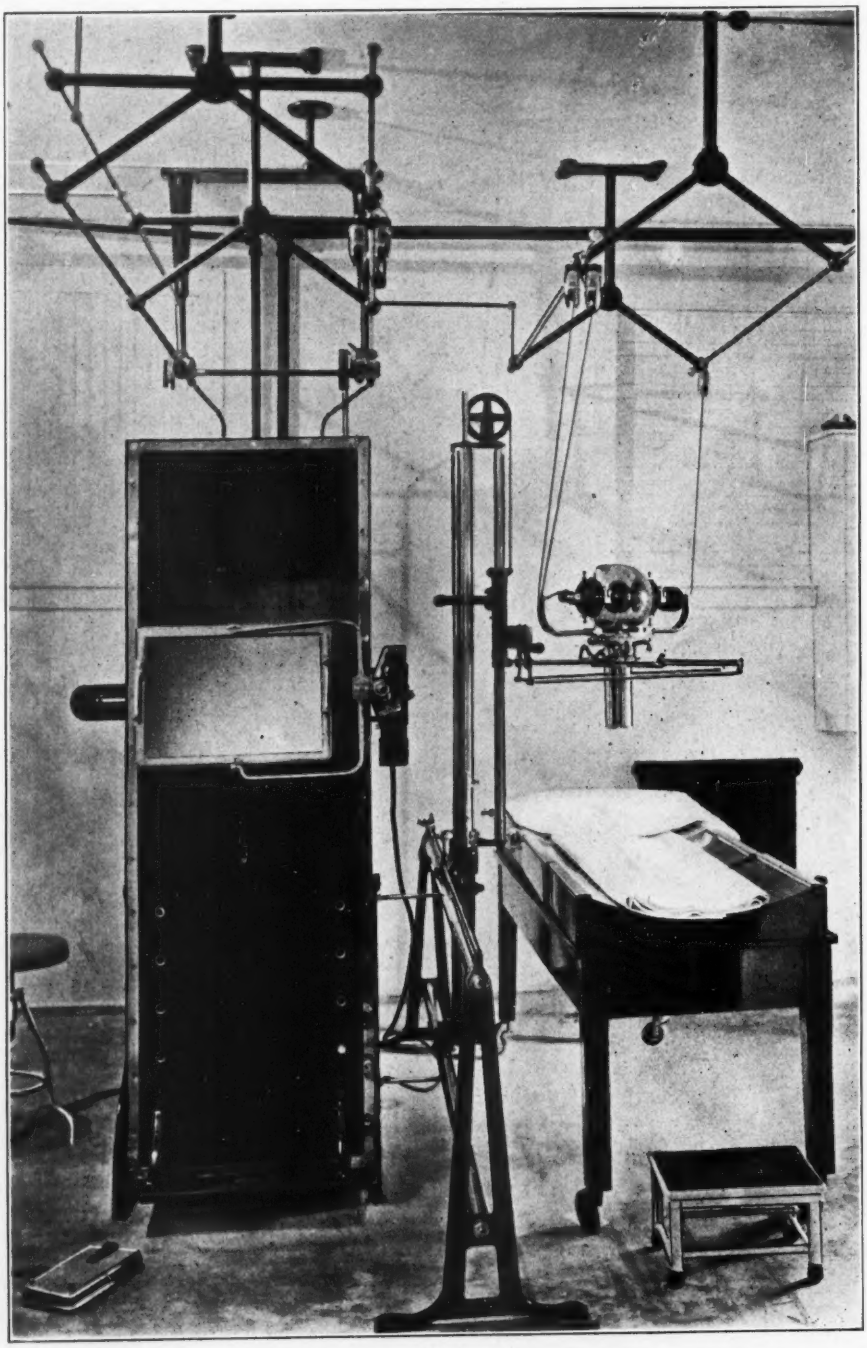
Number Two of a S

The installation pictured herewith Scotia Sanatorium, Kentville, N.S., not permit of a full description or use it is apparent that this is a typical Laboratory complete in the essential accurate and efficient work but lacki

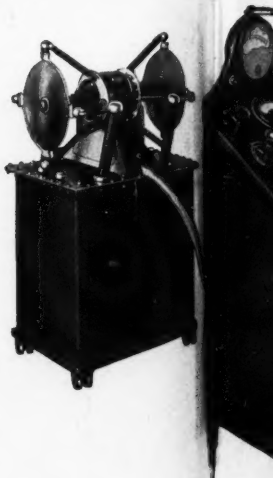
Cut No. 1 shows the motor actuate stand serving a Bucky Table also, a overhead system.

Cut No. 2 illustrates the power plan power plus machine.

Cut No. 3 is of the "KELEKET" A



No. 1



No. 2

THE BURKE ELECTRIC
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rke Electric
INE OF X-RAY SERVICE

wer X-Ray Laboratory

using
LEKET"
oparatus

ber Two of a Series

ured herewith is that of the Nova Kentville, N.S., and while space does scription or use of all the photographs, is is a typical "KELEKET" X-Kay in the essential details that make for work but lacking fuss or frills.

motor actuated Tilt Table with rail y Table also, and a portion of the

the power plant. A "KELEKET"

"KELEKET" Automatic Chest Unit.

No. 2

ELECTRIC & X-RAY CO.
LIMITED
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520
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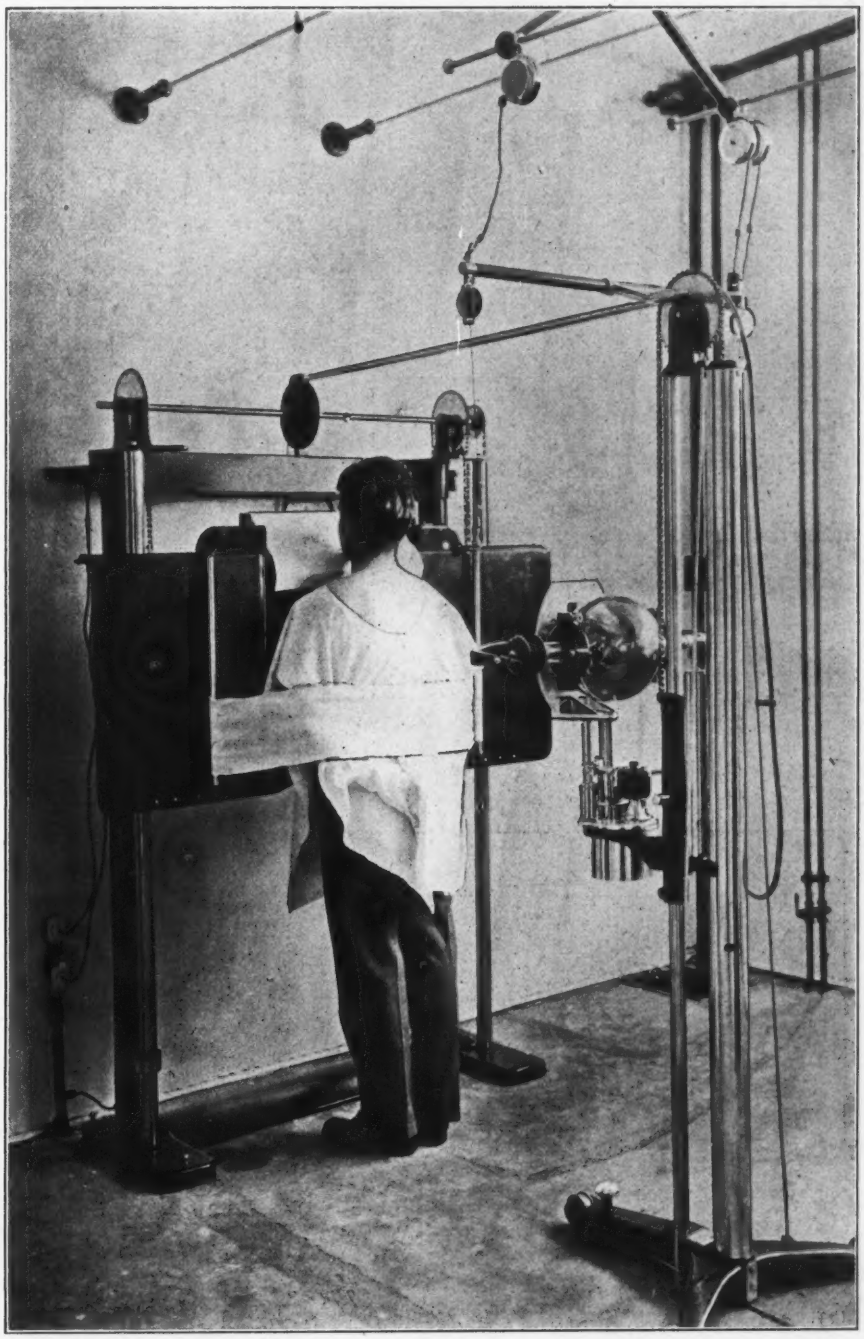
219 Medical Arts Bldg.
MONTREAL

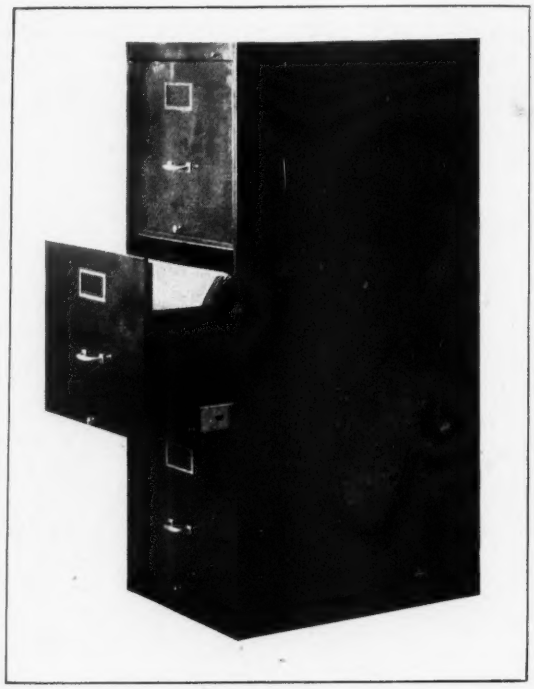


No. 3

Burke Electric

THE SINE OF X-RAY SERVICE

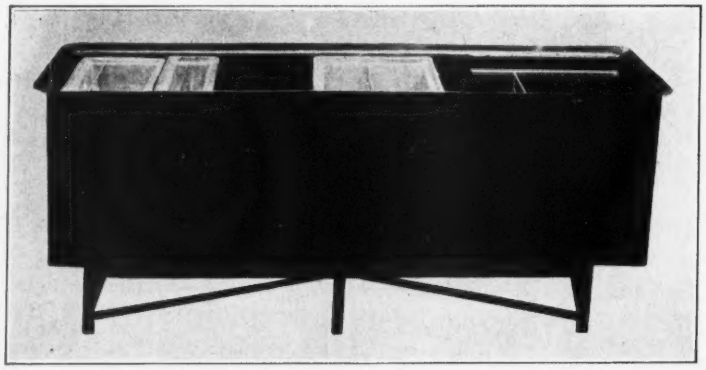
X-Ray Filing Cabinets



ILLUSTRATED herewith are two "Made in Canada" products of the Burke Electric & X-Ray Co., Limited, designed to facilitate dark room procedure and the filing of X-Ray negatives.

The X-Ray Filing Cabinet is of the three-drawer type and will accommodate approximately 2500 X-Ray films in any size up to 14x17. The construction is unusually heavy. Drawer suspension is on high-grade ball-bearings and a Yale cylinder type lock is fitted to automatically lock all three drawers. A battery of files may be obtained on order with master key. Four-drawer letter files are also available to harmonize with the X-Ray File. Each of the three drawers are separately ventilated and offer a very safe and convenient means of filing X-Ray film. The price of the three-drawer X-Ray File, f.o.b. Toronto, in single lots is $78.50.

The Developing Tank illustrated is, we believe, the first X-Ray Tank with a guarantee of permanent satisfaction, ever offered to the profession. The outer tank provides a water bath for the chemical compartments which are of chemical-proof stoneware and also provides an unusually large washing space. Pipe connections are all on the bottom of the tank, there being but one permanent drain connection to the spillway. Draining, filling and flushing the chemical-proof stoneware tank inserts is effected by means of a syphon actuated by city water pressure that will drain a twenty-gallon compartment in five minutes or less. The outer tank is constructed of 3/16" boiler plate steel sides, 1/4" boiler plate on the bottom. All joints are electrically welded and the top angle ensures that all moisture will drain back into the tank. The support is of heavy angle steel electrically welded. These tanks are available in various stock sizes or may be built to your specification on very short notice. Chemical-proof inserts are made in 5, 10 and 20 gallon sizes.



Developing Tank for X-Ray Negatives

THE BURKE ELECTRIC & X-RAY CO.
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490 Yonge Street, TORONTO (5)
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Complete X-Ray and Physiotherapy Installations for the Hospital

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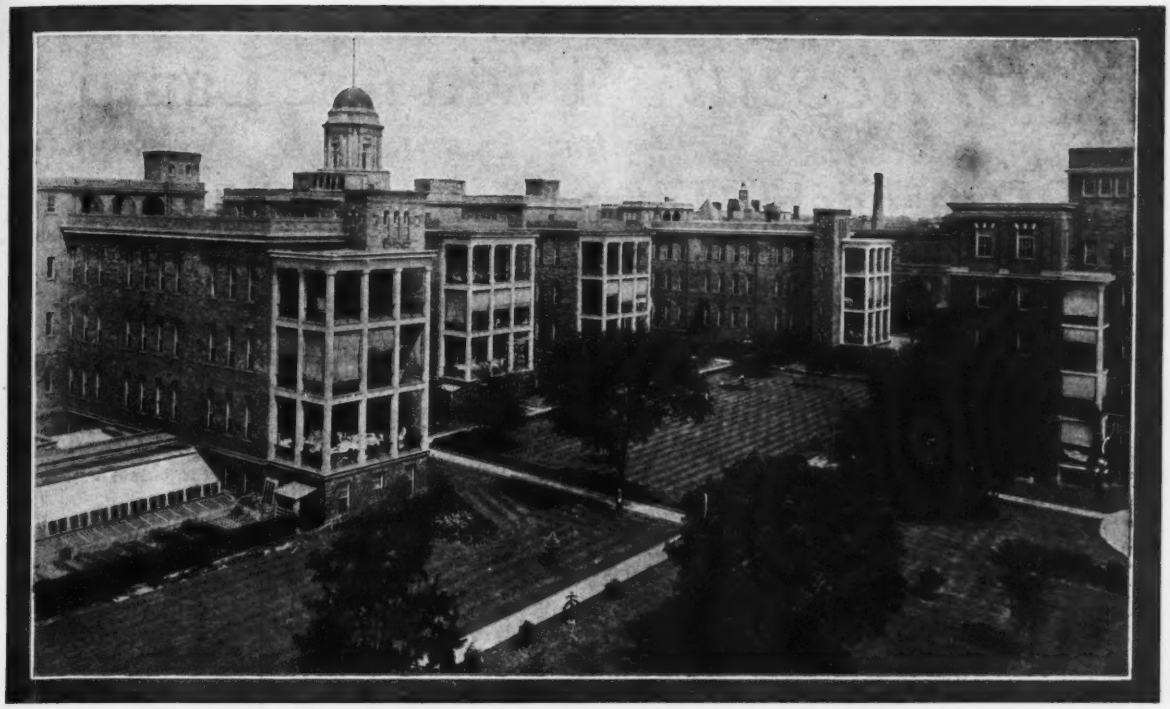


The TORONTO GENERAL HOSPITAL

. . . . . one of the finest in the world, now embarked on improvement and extension program involving the expenditure of $2,500,000.

Super Service

THE directors of the Toronto General Hospital, realizing the exacting service that an elevator in an institution of this kind is called on to perform, have decided to instal Otis-Fensom Super-Automatic Control.

This new elevator embodies the following features:

1. Provides the same service as if controlled by an operator.
2. Accelerates and slows down with utmost smoothness at all times.
3. Levels itself accurately with the floor landing.
4. Picks up passengers who have pressed hall buttons in the direction of travel.
5. Automatically reverses when the last call has been answered and returns to the "home station" which may be changed during the day according to the traffic conditions.
6. Operates with car gates open if there are no *passengers* in the car. Otherwise car gates must be closed.
7. Starts and stops its motor-generator set automatically, thus saving power.
8. Carries 2,500 lbs. at a speed of 300 feet per minute.

OTIS-FENSOM ELEVATOR COMPANY
LIMITED
HEAD OFFICE AND WORKS: HAMILTON, CANADA
OFFICES IN ALL PRINCIPAL CITIES

"Britesun" Twin Arc Lamp

for

Dependable Ultra Violet Radiation

Unexcelled for Institutional Work

"The Nearest Approach to Natural Sunlight"— **U. S. Bureau of Standards.**

An apparatus for Ultra Violet radiation has now become an essential part of the equipment of the modern hospital. We recommend the "BRITESUN" TWIN ARC LAMP for the following advantages:

Easily moved from ward to ward, mounted on ball-bearing casters and having a total weight of only 24 pounds.

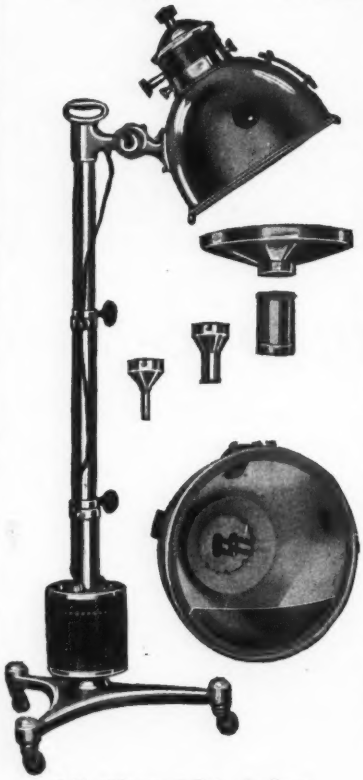
Specific rays for specific conditions or complete spectrum for general tonic work.

Is 100% efficient instantly.

No springs or coils to overheat and give way.

Carbons easily replaced even while hot.

Adaptable to either localized or general radiation.



A 80 "Britesun" Twin Arc Lamp

The U. S. Bureau of Standards at Washington has been investigating the spectral energy distribution of various artificial lamps to find the one which most closely approaches the Ultra Violet spectral energy distribution from the sun. In letter circular 225, under date March 5, 1927, the Bureau has made the following statement:

"Of all the artificial illuminants tested, the Carbon Arc lamp is the nearest approach to sunlight."

"BRITESUN" TWIN ARC LAMP gives a balanced spectrum (Ultra Violet, Radiant Light and Infra Red rays) as in sunlight.

Carbons are placed in parallel position for greater efficiency and to obtain a true crater arc.

Easily adjusted to any desirable treatment position.

Complete control of all radiations.

Economical in operation.

Operates on either A.C. or D.C. without any changes.

Furnished complete with 100 Therapeutic Carbons, Protective Screen, Localizer with three Applicators and three pair Goggles.

Price

$225.00

"BRITESUN" TWIN ARC LAMP has won the complete confidence of Hospitals and Professional Men who have used it. It is a most up-to-date modality, efficient, supreme in Ultra Violet POWER, far in advance, and approved by scientific experts and discriminating Light Therapists. As a Therapeutic device, simple, dependable, trouble free, it is really in a class by itself. In beauty of design it has no peer, and will harmonize with the finest hospital equipment.

Sold through any legitimate dealer.

Radiant Therapy
Ultra Violet
Infra Red

BRITESUN, INC.,

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WRITE FOR "BRITESUN THERAPEUTIC BOOKLET"

Safe refrigeration
for Hospital and Home

In Frigidaire Electric Refrigeration, medical men find a valuable aid in the safeguarding of health through the proper preservation of food.

Frigidaire's dry, frosty cold—possible only with electric refrigeration—keeps food always below the point at which harmful bacterial growth commences. It is unaffected by changes of weather—is safe, ***always***.

Frigidaire Electric Refrigeration is ***clean*** refrigeration. Its white, seamless, porcelain enamel cabinet is kept in spotless condition with ease.

Frigidaire's advantages for hospital use also are manifold. In addition to its dependability, cleanliness and the perfect preservation of foods it provides, Frigidaire keeps serums and drugs at proper temperatures at all times.

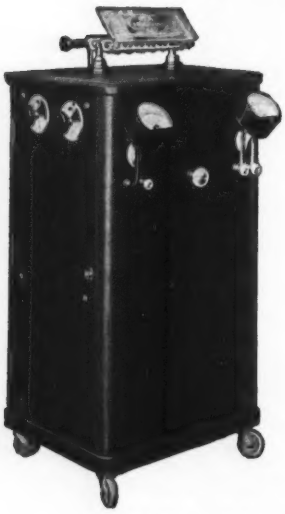
Our booklets on Frigidaire for hospital and domestic use will be gladly sent on request.

Frigidaire Corporation, Toronto, Ont.

FRIGIDAIRE

PRODUCT OF GENERAL MOTORS

Precision Model IV Diathermy Generator



FEATURES:

Calibrated Spark Frequency.

No faradic current possible, ensuring proper sedative treatment.

High voltage current, ensuring proper penetration.

Simplified yet extremely flexible and sensitive control.

Large capacity, more than sufficient for all classes of diathermy technique.

Oil immersed transformer and Leyden Jar Condensers.

Excellent mechanical and electrical design.

REASONABLE PRICE

THE M. B. EVANS X-RAY COMPANY

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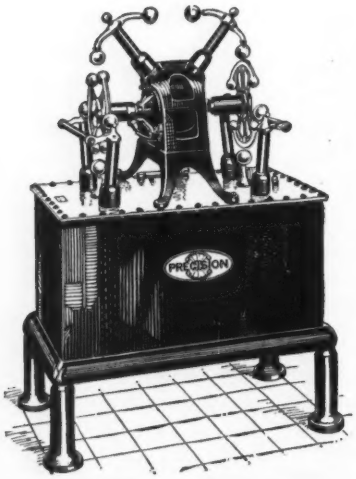
TORONTO 2, Ont.

Exclusive Distributors of Acme-International Precision Apparatus

Precision Laboratory Special *Coronaless Roentgen Generators*

PRECISION



Developed especially to cover the entire range of radiographic and fluoroscopic techniqne and for superficial therapy, this new companion of the famous Precision 6-60 Plus and the new Super-High-Speed 150 K. V. Models will meet the requirements of many roentgenologists with the fullest degree of satisfaction.

This new Precision **Laboratory Special** Coronaless Roentgen Generator embodies remarkable capacity, efficiency and stamina. Laboratory tests indicate output of 500 M. A. at 50 K. V., 300 M. A., at 87 K. V. and 200 M. A. at 120 K. V., and its characteristics provide for extremely fast radiographic exposures and unusual effectiveness in superficial therapy.

The transformer like all Precision X-Ray Transformers is covered by our "Lifetime" Guarantee.

May be equipped with Precision 100 Point Auto Transformer Control at slight extra cost.

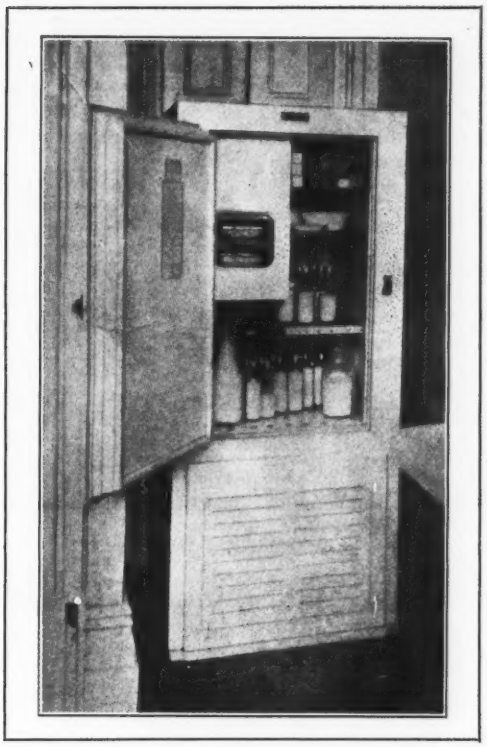
Write for literature and prices

[An extensive line of Precision X-Ray and Physical Therapy Apparatus is sold and serviced by responsible representatives in practically all parts of the world.]

ACME INTERNATIONAL X-RAY COMPANY

725 WEST LAKE STREET CHICAGO, U.S.A.

Exclusive Manufacturers of PRECISION CORONALESS X-RAY APPARATUS



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*The above letter comes from one of the famous French hospitals of Quebec and is signed by the Superieure. For obvious reasons we do not include the name, but the original is on file in our London, Canada, offices.

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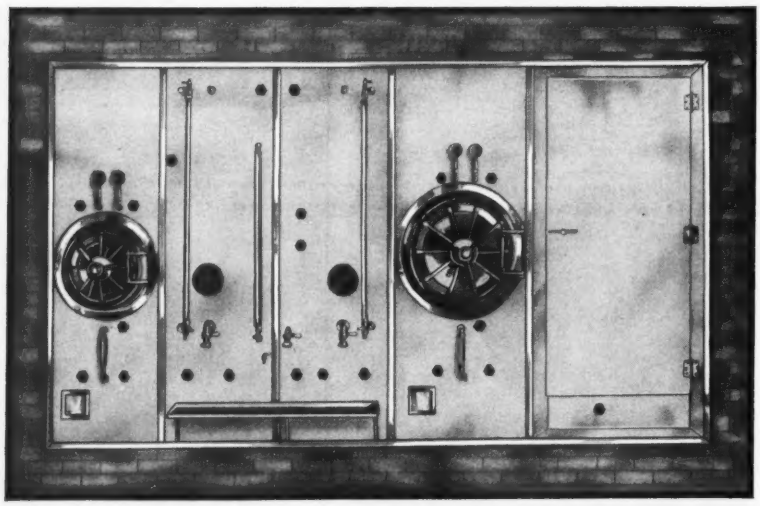

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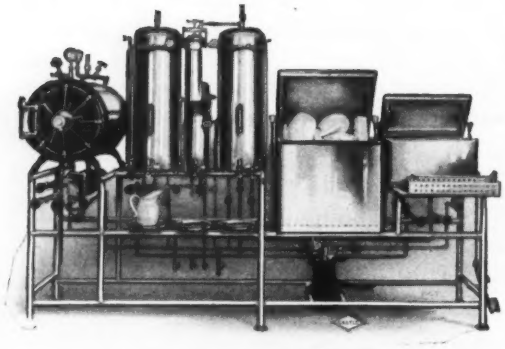

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The Nurse Specialist

General practice in the medical profession is apparently becoming more and more an institution of the past, except in the less populated sections where the doctor must necessarily be ready and able to meet almost any emergency. In the large centres of population, however, members of the profession are, in a rapidly increasing ratio, specializing in some particular branch; either one in which they are especially interested, or one for which they are peculiarly qualified.

In view of this, it is not surprising that the opinion has been expressed that it is probably just a matter of time until members of the nursing profession are also following this method. In many cases of sickness efficient nursing is just as important as efficient medical care. Why should the nurse not be especially trained in order that she may give particularly efficient service in certain types of illness?

At present, the private nurse is required to be efficient in all branches of nursing. It seems next to impossible for the average nurse to meet all these requirements, but it would be a much more simple matter for a nurse to meet the requirements of the type of nursing which she had especially studied.

This would probably mean that nurses would be separated and classified according to the type of work each would be qualified to do, and each class would receive a different remuneration according to the value of the service given.

This would seem fair to all members of the nursing profession since each would be remunerated according to her ability, which ability would be, partially if not entirely, the result of the particular course of training she had taken. It would, then, rest with the nurse herself to decide whether she would specialize in some branch, or take the course which would enable her to nurse only those patients who needed merely routine attention.

Women on Hospital Boards

The question as to whether women should sit on hospital boards has been raised recently in Saskatoon. Many representative women were approached on the matter by reason of their official positions as heads of various women's organizations. In practically every instance the reply was immediate and in the affirmative. This proviso was usually attached: "if you get the right woman." This qualification would apply, we think, equally to any position to which a man would aspire, and it seems rather unnecessary.

"The right woman" was generally described as some one having had some experience as a nurse, to which she had added the knowledge of household administration, also from experience; one who could be conscientious and unbiased, having at heart the best interests, not only of the patients, nurses and doctors, but of the municipality she serves.

One lady referred to the success which had followed the appointment of women to boards and committees of Old Country institutions of a more or less domestic nature. Another spoke of the success achieved by nurse superintendents in Saskatoon.

In short, it was agreed that the presence of a woman on the hospital board would not only add to its efficiency but would give the human touch which is so much desired in this very human service.

Advises Indoor Work for Ex-Patients

That indoor occupations are best for those who are ex-patients of a sanatorium for the treatment of tuberculosis is the view of Dr. J. H. Holbrook, medical superintendent of the Mountain Sanatorium, Hamilton. Acting upon this theory patients of the Sanatorium who are progressing toward returned health are provided with teachers in high school work.

An experiment was made last year with very satisfactory results. Dr. Holbrook became convinced that the formation of work colonies out-of-doors for ex-patients was not the best means of dealing with the case. On this point he says:

"In abandoning our plans for a work colony, we have become more and more impressed with the possibility of making use of the latter part of the cure period in sanatorium, for the purpose of training the patient, so that he can adapt himself to a more suitable type of life following his discharge, the principle underlying this adaptation being that the most suitable vocation for an ex-patient is the one in which he can receive the most in financial returns for the least possible call on his physical energy. This simply means that the patient must fit himself for a position calling for brains rather than brawn, and possibly in addition he will have to arrange for shorter hours of actual work."

Dr. Holbrook also says that the actual working capacity of each patient is fairly well established during the later stages of the treatment. The first attempt to introduce handicraft work for men and instruction in useful arts for women along with shorthand and typewriting, was supplemented by courses in bookkeeping, accountancy and training in the purely academic studies such as lierature and history.

It is claimed that one of the best studies to restore the brain after a long period of rest and sluggishness is the study of a foreign language, with its necessary exercise of the memory; and several groups in the sanatorium are now studying French and making excellent progress.

By restoring alert mental activity it is claimed that there will be a far greater proportion of self-supporting ex-patients. The objection to many outdoor occupations is that they require too much physical exertion and pay lower remuneration.

Checking X-Ray Requisitions

At a recent hospital convention an effort was made to learn if it were feasible for the superintendent to regulate the expenses of the X-ray department. Many solutions were suggested and since none was satisfactory, the editors of the "Modern Hospital" were asked to express an opinion.

In general they said that no one system can be applied to every hosptial. They suggested several systems which had been worked out in different institutions and concluded by saying that the superintendent should certainly work out some scheme for preventing unnecessary work and facilitating desirable roentgen-ray studies.

The expense of conducting an X-ray department in a general hospital is not inconsiderable. Sometimes, in the laudable desire to pursue to the ultimate the study of the patient's condition, unnecessary X-ray work is requisitioned. Quite often expensive, time-consuming scientific studies are carried out that may cost hundreds of dollars and that react to the detriment of the routine work.

It is feared that hospital interns, and sometimes even visiting physicians, attempt to arrive quickly at a diagnosis by the use of the X-ray, without having carefully studied the patient by means of routine physical examinations. This trend is not to be recommended, because it is not only unnecessarily expensive to the hospital, but also because it retards the acquisition of skill in diagnosis on the part of the young intern. Most young physicians, when they enter general practice, will not be able to call upon an X-ray department, upon the slightest provocation, for aid.

Some hospitals require that the visiting physician originate and sign every X-ray requisition. This is not always possible, or if possible is likely to delay the treatment of patients. Other hospitals insist that a resident officer who has knowledge of the patient and his requirements, approve the X-ray request before it is forwarded to the hospital roentgen-ray department.

Some place the responsibility wholly upon the X-ray director. Others require that the superintendent of the hospital approve each requisition. Some have no regulations whatever, every request which reaches the X-ray department being honoured.

It might prove best to have the visiting physician sign each request sheet. But if this is done, the physician, not having intimate knowledge of the status of the finances of the hospital, may not be as economical as he should. Perhaps a resident medical officer who knows the details of the patient's condition, as well as the steps which have been taken to arrive at a diganosis, is the best qualified person upon whom to lay this responsibility.

If unusual, scientific studies are to be undertaken, which will require the exposure of many plates, the superintendent himself should be consulted. It is not enough for the patient to be able the meet the cost of X-ray study because, if unnecessary work is done, so much of the time of the X-ray personnel may be consumed that more essential work must be omitted.

None of these systems is ideal, but it would seem that a system of some kind should be inaugurated in every hospital which operates an X-ray department.

Treating Infantile Paralysis

Experiments with infantile paralysis are being carried on at the Madison General Hospital, Madison, Wis., in a specially designed tub, and the results are reported to be excellent. The patients, of whom there about fifteen children, with limbs wholly or partially paralyzed, are receiving daily treatments in water which is heated to 98 or 100 degrees.

The treatments last from fifteen to thirty minutes during which the specialists move the paralyzed limbs slowly back and forth in the air. After a few weeks the muscles show slight improvement and the patients are able to move their own limbs to a limited extent, while the weight of the limb is supported by the buoyancy of the water.

Physicians at the hospital are of the opinion that the hydrotherapy treatments will eventually eliminate the necessity of surgical operations in the lengthening of the tendons, transplanting muscles or correcting other deformities.

The Results of Hospital Standardization and Extent of Their Adoption

BY PHILIP HILLKOWITZ, M.D., DENVER, COLO.

It is not more than eight years since the American College of Surgeons enunciated the now famous minimum standard of requirements and launched a campaign for the betterment of institutions for the sick. The Rocky Mountain region early swung into line on the heel of this movement and for the past five years the great majority of our hospitals have been recognized as meriting the approval of the College of Surgeons. In the half decade that has passed, many changes have taken place in the conduct of our institutions as an outcome of standardization. It will not be amiss, therefore, to make a survey of the results accomplished and of the hindrances that still lie in our path to attain the goal.

It is universally admitted that this endeavour to place the hospitals of this country on a scientific basis marks an epochal revolution in the methods of taking care of the sick and denotes a decided advance in this important social function. Prior to the inauguration of the standardization programme, hospitals were more or less on the level of boarding houses. Now, with the advent of the clinical and X-ray laboratory, the maintenance of records, and frequent staff meetings, these institutions have assumed the dignity of a learned profession, utilizing all the achievements of science to further the ends of healing the sick.

It was not to be expected that the millennium would dawn in the comparatively short space of time since the movement was inaugurated. There are many gaps to be filled, many defects to be remedied. Some reforms can be gained only by patiently waiting for the inevitable passage of time and the advent of a new generation.

Let us look a little more closely into the several factors that enter into the making of a so-called standardized hospital as codified in the famous charter—"The Minimum Requirements of a Standardized Hospital."

The question of fee splitting is of concern to the hospital proper, in so far as the practice tends to reflect unfavourably on the quality of surgery performed and to lower the moral tone of the staff members. While this evil in many parts of the country is not entirely eradicated, it is gratifying to note that, so far as Colorado and the adjoining States are concerned, division of fees openly or clandestinely is practically unknown.

Periodic staff meetings in the hospitals of this region have been held regularly but the attendance has not always been up to the requirements. Some institutions have had interesting and profitable meetings; in others the meetings have been lacking in enthusiasm. Some hospitals have a standing committee which carefully prepares a scientific programme in advance; in others the members trust to luck or call the roll for case reports.

Not enough attention is paid at these meetings to the monthly analysis of service which is usually read by the secretary in a humdrum manner and is received much like a recital of figures in a time table. Few staff members appreciate the pains and trouble of compiling these valuable statistics, as is evidenced by the general lack of discussion on this important feature of hospital standardization. It was originally intended that the monthly summary should evoke a close scrutiny of the medical and surgical work of the institution, and a frank and free exchange of opinion among the staff members. While this sounds well in theory, human nature is such that physicians are loath to express themselves when there is question of the work of a colleague, lest their criticisms be not taken in the right spirit. Thus, where an operation was performed when not indicated, or a medical case was improperly handled, it has been found difficult to have the executive committee confer with the surgeon or physician in question, and call attention to his error. In some hospitals the expedient is employed of writing the erring brother to report the case at the staff meeting and, after the manner of the candidates for degrees in olden times, to defend his thesis against his critics. This drastic remedy has often had a salutary and educational effect. At times the remedy is of doubtful value, for the invitation to appear is declined.

Fortunately such cases are rare. The number of poorly prepared surgeons is growing smaller and smaller. It is futile to expect hospitals to discharge men from their staffs for incompetence after years of service. All we can hope for is the training of a new and better generation. To return to the question of staff meetings, more attention should be given to the monthly summary and an efficient programme committee should be selected to arouse interest in the meeting. For the scientific programme it is better to have few but carefully prepared case reports or presentations rather than many ill digested, tiresome readings of poorly written records. The responsibility for the success of the staff meetings, of course, rests entirely on the personnel of the staff and not on the hospital authorities.

Not so with the next item in the standardization programme—namely, records. This is one of the knottiest problems in hospital management and one which requires the co-operation of the doctor, the intern, the nurse, and the governing body of the institution. Considerable progress has been made in this direction. Standard blanks are now available which greatly facilitate the maintenance of proper case records. Unfortunately they are not automatic but depend on the human element, in this case, the

Read at the meeting of the Colorado Conference of the Catholic Hospital Association.

Toronto General Hospital Executives

C. J. DECKER
Superintendent

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W. H. PARR
Purchasing Agent

attending physician. How to get the busy practitioner to write or dictate his findings is a question still open for solution.

Improvements have taken place in the operative records. The larger hospitals employ a stenographer who buttonholes the surgeon before he leaves and cajoles him into dictating the data required, often in meagre details. We are beginning to get pre-operative diagnoses, really made before the operation. The histories, the physical findings, sad to relate, are still in a primitive state. There are exceptions, of course, but they only prove the rule.

Some clinicians who are very conscientious have copies of the hospital blanks in their offices and bring back a nicely typewritten history. But the majority are apathetic and leave it to the interns with whom it is at times a mechanical drudgery. Their accounts are not always checked up by the attending physician nor by the chart committee if there be one, or if it functions. As a result a perusal of the histories and physical examinations would find our hospitals obeying the law in letter but too often not in spirit. Consultations and the findings of the consultant are not recorded and this reflects unjustly on the hospital in the monthly summary.

A plea may be made here for more autopsies. The best index of scientific work in a hospital is the ratio of autopsies to deaths. A word to the relatives from the attending physician or encouragement from the sister, nurse, or superintendent, a nod of approval from the priest or minister will overcome the barrier of resistance. The laity is becoming educated to the humanitarian aspects of autopsies in the information they give for the prevention and treatment of disease. A tactful handling of the situation will greatly help the endeavour to obtain autopsies. At present the percentage is woefully low and not in keeping with the good clinical work done in the hospitals.

While the profession has been somewhat remiss in helping with the records, it must be acknowledged that the recordkeepers in the institutions have performed their functions very creditably. The tabulation and classification have been done conscientiously and, taking into consideration the fact that these historians are recruited from the laity, the results are quite gratifying. The recordkeepers have worked against odds without sufficient help or appreciation from the physicians.

The last factor to be considered in the hospital scheme is that of the clinical and X-ray laboratories. These aids to diagnosis and treatment are now an indispensable adjunct to a modern hospital but, as is the case with records they are dependent entirely on the human element. It is not enough, however, that we have trained technicians in these departments. The clinician demands a correct interpretation of the laboratory findings. This information can be furnished only by a physician specializing in clinical pathology or roentgenology. A rich laboratory equipment, with expensive apparatus, will be as ineffective without him as the most handsome

operating room and the best trained crew would be without the surgeon.

The clinical pathologist, in his daily consultation with the clinician can be of incalculable service in suggesting useful laboratory procedures and in evaluating properly the laboratory findings. In tissue examinations particularly, his responsibilities are great and his judgment is of vital importance to the patient.

A problem of concern to the hospitals in the smaller communities is the lack of a clinical pathologist to supervise the work of the technician and to carry on the examination of tissue removed at operations. One remedy found effective is to engage the services of a pathologist in the larger medical centres to make periodic visits to the smaller institutions and perform the same duties as he would in a large hospital. Not unlike the old-time circuit-riding preacher, he will spread his gospel in his territory. Such a peripatetic pathologist will stimulate the scientific acitivity of less favourably situated hospitals.

I have pointed out, briefly, some defects in our hospital standardization scheme, not in the spirit of captious criticism, but with the purpose of suggesting needed reforms. I am well aware that standardization has not been in practice long enough for us to expect better results, and on the whole I am optimistic as to the outcome and encouraged by the results obtained. If the shortcomings above outlined will incite the staff and the hospital administrations to a more active endeavour to raise our standards the object of my humble efforts will have been amply achieved.

—"Hospital Progress."

Queens' Students Visit Montreal Hospitals

At the invitation of the medical faculty of McGill University, the final year students of Queens' University, Kingston, spent a clinical week visiting the large hospitals and medical buildings of Montreal. Arrangements for the clinics and demonstrations were made by Dr. C. F. Martin, dean of the McGill faculty of medicine, in co-operation with members of the faculty.

This visit of the Queen's medical students to Montreal is believed to be the first of its kind which has taken place in the Dominion of Canada, and as such, it is in the nature of an experiment. Its success will probably mean that this will not be the last friendly visit to be exchanged.

Sir William Wanless Visits Toronto

Sir William J. Wanless, dean of the American Presbyterian Mission Hospital at Miran, Indian, has returned to Toronto after a long absence. More then 35 years ago he went as a medical missionary to Western India and founded a medical school and training school for nurses at Miran.

He spent much time training native Christian doctors, and was honoured by the Indian Government with the Kaisar-I-Hind medal. He has most recently been knighted.

Toronto Western Hospital Executives

MAJOR A. C. GALBRAITH
Superintendent
Director the Ontario Hospital Association

Portrait by Milne Studios

A. J. SWANSON
Assistant Superintendent

Montreal General Hospital Executives

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DR. A. K. HAYWOOD
Superintendent

Portrait by Wm. Notman & Sons, Montreal

A. LORNE C. GILDAY, M.D.
Superintendent Western Division

Victoria Has Chest Clinic Building

An important addition to the Provincial Royal Jubilee Hospital, Victoria, B.C., has just been completed and will be formally opened in the near future. This is a chest clinic building, the cost of which is covered by a bequest from the late Mr. David Spencer.

Erected at the rear of the Strathcona Ward, the building is self-contained, with its own separate entrance, and connected with the main building only by a corridor. It comprises a waiting room, nurses' office, consulting room, examination room, and dressing rooms for men and women.

As X-ray work is an essential part of chest clinic examinations, the building connects with the corridor of the Strathcona Ward in such a way that patients can pass easily from the clinic to the X-ray rooms.

New Type of Splint

An ambulatory splint to care for broken ankles, and which was introduced by a Dr. Bohler, was admired by one of our surgeons while travelling in Europe recently, and has been used successfully by him since his return to Toronto.

This splint is of steel in U shape and about ten or twelve inches long. The prongs of the splint are placed on each side of the leg until the curved base is about an inch below the heel. It is then incorporated into the cast by the application of plaster bandages, until the base of the splint alone is visible.

By this means the patient with a broken ankle can walk, the weight being borne by the steel bar and the hardened plaster.

BRANTFORD, ONT.—Miss Sarah Jamieson, of the Brantford Hospital staff, has been appointed to the position of superintendent of the General Hospital at Galt. She assumed her duties on April 1st.

* * *

HAMILTON, ONT.—Dr. H. A. MacKay, assistant medical superintendent of the Ontario Hospital here has been appointed superintendent of the Ontario Hospital, Toronto. Dr. J. N. Senn, now a member of the staff of the local institution, has been promoted to the post of assistant to Dr. J. J. Williams, medical superintendent.

* * *

GREENWOOD, B.C.—Miss R. E. Boyd, R.N., of Calgary, has been appointed matron of the district hospital, in succession to Miss Stocks, who was forced to resign on account of illness.

* * *

TORONTO, ONT.—Announcement has been made of the appointment of Miss Bertha Harmer, R.N., M.Sc., as director of the School for Graduate Nurses at McGill University. Miss Harmer is a graduate of the Toronto General Hospital and held the position of instructor of nurses and supervisor in that hospital.

Miss Harmer is the author of "Principles and Practice of Nursing," a text book which is used in many Canadian and American Schools of Nursing.

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Chief of Medical Board
Homeopathic Hospital

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W. R. CHENOWETH
Acting Superintendent
Royal Victoria Hospital

American Conference on Hospital Service Holds Annual Meeting

Dr. A. C. Bachmeyer, President of the American Conference on Hospital Service, presided at the annual meeting of its delegates held February 7, 1928.

The constituent members of the Conference represented were:

American Association of Hospital Social Workers.
American Association of Industrial Physicians and Surgeons.
American Dietetic Association.
American Hospital Association.
American Medical Association.
American Nurses' Association.
American Occupational Therapy Association.
Bureau of Medicine of the United States Navy.
Catholic Hospital Association of the United States and Canada.
Medical Department of the United States Army.
National League of Nursing Education.
National Tuberculosis Association.
United States Public Health Service.
United States Veterans' Bureau.

In his presidential address, Doctor Bachmeyer reviewed the work of the Conference from its origin to date, commenting especially on the development of its Hospital Library and Service Bureau, and outlining possibilities of future growth for both the Conference and Library.

The delegates moved that the Trustees of the Conference be requested to make a study of the purpose for which the Conference was organized and, after comparing the purpose with the work already accomplished, to use it as a basis for preparing an outline of future activities which the Conference should foster. This statement, together with plan of procedure for carrying out the work suggested, to be submitted to the delegates for action.

Dr. Frank Billings was again unanimously elected as honorary president; Dr. Harry E. Mock was elected president; Dr. Ralph B. Seem, vice-president; Mrs. Carl Upham Davis, second vice-president, and Doctor Otho F. Ball, treasurer. The Trustees elected were: Miss Evelyn Wood, Dr. John M. Dodson and Dr. A. C. Bachmeyer.

The delegates had an opportunity to inspect the new quarters of the Hospital Library and Service Bureau which have been provided, without rental charge, by the American Hospital Association in its building at 18 East Division Street, Chicago. The American Hospital Association is providing this space, free, in lieu of annual contributions previously made.

The following resolution was passed by the delegates:

"Resolved that the American Conference on Hospital Service extend a vote of appreciation to the American Hospital Association for their generosity in providing this splendid space for the Hospital Library and Service Bureau and for equipping it with suitable shelving."

At a meeting of the Trustees of the Conference, held February 6th, Dr. Ralph B. Seem, Dr. B. W. Caldwell, Dr. O. F. Ball and Dr. John M. Dodson were appointed members of the Library Committee.

..."would not do without it for a great deal more than it cost me"

So writes a roentgenologist who is using the Victor Serial "Fluorographic" Unit and the "Fluorographic" Control Unit.

THE reasons leading up to this conclusion are probably best expressed in his letter to a member of the Victor Branch in San Francisco:

"I was somewhat skeptical in adding your Fluorographic Control to my Victor Snook Unit, but I am glad to state that it has met with every recommendation you have given it. It gives a very much clearer definition than pictures taken by the ordinary method; especially in fleshy people, where the line of definition is blurred as a rule, I find a great improvement and absolute line of demarcation.

"Am very highly pleased with the operation of this appliance and would not do without it for a great deal more than it cost me."

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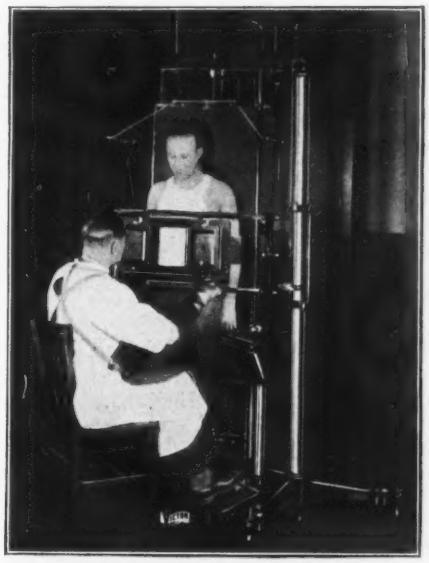

The Serial Fluorographic Unit and Fluorographic Control Unit used in combination with Victor Vertical Roentgenoscope.

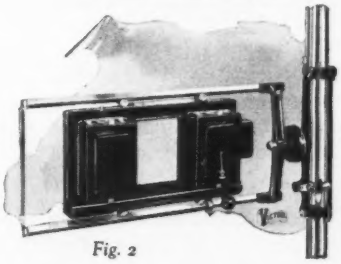

Fig. 2

Fig 3

A close-up is shown in Fig. 2. Between the two magazines is mounted a fluoroscopic screen. The magazine on the right holds six 5 x 7 cassettes. When the operator sees in the fluoroscopic image a pathology of which he desires a radiograph, he shifts the knob handle to left, which brings a cassette into position, steps on the foot lever for the radiographic exposure, then shifts knob farther to extreme left, depositing the cassette in other magazine. Every control is in immediate reach, so that a radiograph may be made at any interval during the examination and in remarkably quick succession.

Fig. 3 shows the Fluorographic Control Unit, with which the operator may change instantly from a fluoroscopic to a radiographic current and back again to a fluoroscopy, simply by foot levers, and *without having to leave his position at the screen.* This unit has also the means for selective control of both voltage and milliampereage of the fluoroscopic current.

Bulletin 278, describing this equipment fully, will be sent on request.

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A Condensed Monthly Summary of Hospital Activities, Building and Extension Plans and Personal News of Hospital Workers.

Editor's Note: Contributions of items for publication in this department will be gladly received. Please address, The Canadian Hospital, 454 King Street West, Toronto.

NANAIMO, B.C.—Mr. George Pearson has been elected president of the board of the Nanaimo Hospital.

* * *

SASKATOON, SASK.—Miss Lucille Roome, of Saskatoon, has been appointed dietitian at the city hospital.

* * *

LACOMBE, ALTA.—Miss Osborne has been appointed superintendent of the Lacombe Hospital. She arrived recently from England.

* * *

CHATHAM, ONT.—The new home for the nurses of the General Hospital, which has been erected adjacent to that institution, has been formally opened.

* * *

GALT, ONT.—Miss Tait, recently appointed superintendent of the Galt General Hospital, has been forced to tender her resignation on account of ill-health.

* * *

SASKATOON, SASK.—Mr. W. Harvey Clare, former mayor of Saskatoon, has been appointed chairman of the Saskatoon Hospital Board. He succeeds Mr. J. O. Hettle, who recently resigned.

* * *

ALLISTON, ONT.—The community hospital which has been given to the town of Alliston by Mr. T. P. Loblaw will be of fireproof and soundproof construction throughout. Professor G. R. Anderson, of the University of Toronto, has planned the illumination and sound-proof features of the hospital, which will look out over a series of terraces towards the town.

* * *

TORONTO, ONT.—Architects have been engaged to prepare plans for the erection of an extension to St. Joseph's Hospital. The new buildings will be erected in units, the first of which is scheduled for building this summer. The wrecking of the present building will not be begun until the new units are completed.

* * *

EDMONTON, ALTA.—Plans and specifications are being drawn up for the construction of a four-storey west wing to the Royal Alexandra Hospital. This is intended to provide accommodation for maternity cases and ninety beds for the care of sick children. The approximate cost of this wing will be $150,000.

In addition to the hospital building a nurses' home is to be erected at an estimated cost of $60,000.

ST. JOHN, N.B.—Announcement has been made that Major D. C. Malcolm, M.C., now promoted to the rank of lieutenant-colonel, has been appointed to command No. 1 General Hospital unit.

* * *

LONDON, ONT.—Dr. Alfred J. Grant has been appointed chief of the surgical staff of the St. Joseph's Hospital, filling the vacancy caused by the death of Dr. John Wishart, who has occupied this post for many years. Dr. Grant has also been elected to the presidency of the hospital staff on the retirement of Dr. Stuart Fisher.

* * *

ST. CATHARINES, ONT.—The site has been chosen for the new fifty-bed consumptive sanatorium which is to be erected at St. Catharines at an approximate cost of $150,000. The site comprises eleven acres and is on the highest point of the escarpment at the south side of the city.

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AMHERST, N.S.—Dr. J. Ross Millar, of Amherst, has been appointed director of Medical service in the Department of Soldiers' Civil Re-establishment at Ottawa, succeeding Dr. Wm. Arnold.

* *

STRATFORD, ONT.—Miss Doris Graham, who for the past year has held the position of assistant superintendent at the General Hospital, has accepted a position as assistant supervisor in the operating room of the Memorial Hospital, Morristown, N.J.

* * *

TORONTO, ONT.—Miss Jane Macaffee, who, for more than three years has been on the nursing staff of the Wellesley Hospital, has been appointed to the superintendency of that institution. Miss Ida M. Smith, who formerly acted in that capacity, has resigned.

* * *

KINGSTON, ONT.—Dr. Francis R. C. Forster, a recent graduate of Queens' University, has been appointed to the staff of the Wisconsin General Hospital, demonstrator on the staff of the Medical College of the University of Wisconsin, and physician to the student body.

* * *

KINGSTON, ONT.—At the annual meeting of the Registered Nurses' Association for District No. 7, which took place at the General Hospital, the following officers were elected for the coming year: president, Miss L. D. Acton, Kingston; first vice-president, Miss Myrtle McMillan, Perth; second vice-president, Miss Evelyn Finn, Kingston; secretary-treasurer, Miss Bessie Wilson, Kingston.

* * *

MONTREAL, QUE.—Dr. Wilder Penfield, assistant professor of surgery at Columbia University and neurological surgeon to the Presbyterian Hospital, New York, has been appointed by the governors of McGill University to occupy the chair of clinical professor of neurological surgery at McGill. Dr. Penfield is one of the most eminent brain surgeons on the continent.

* * *

TORONTO, ONT.—Lieut.-Col. (Dr.) F. E. Watts has been appointed to the command of No. 4 General Military Hospital at Toronto, in succession to Lieut.-Col. W. B. Hendry, who has been transferred to the reserve list on the expiration of his appointment. Lieut.-Col. Watts went to England with No. 4 General Hospital, C.A.M.C., C.E.F., in May, 1915, and served in Salonika from October, 1915, until September, 1917, later returning to England, where he remained until August, 1919.

* * *

NEW WESTMINSTER, B.C.—Dr. J. G. McKay, associate medical director of the Canadian National Committee for Mental Hygiene ,has informed the tenth annual meeting of the committee that after investigating mental problems in British Columbia for the past two years, a Royal Commission is expected to present a programme to the Legislature now in session that will involve the building of a psychopathic hospital in Vancouver in addition to an institution for the training of mentally deficient children.

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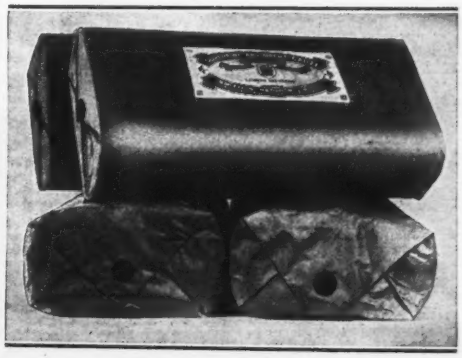

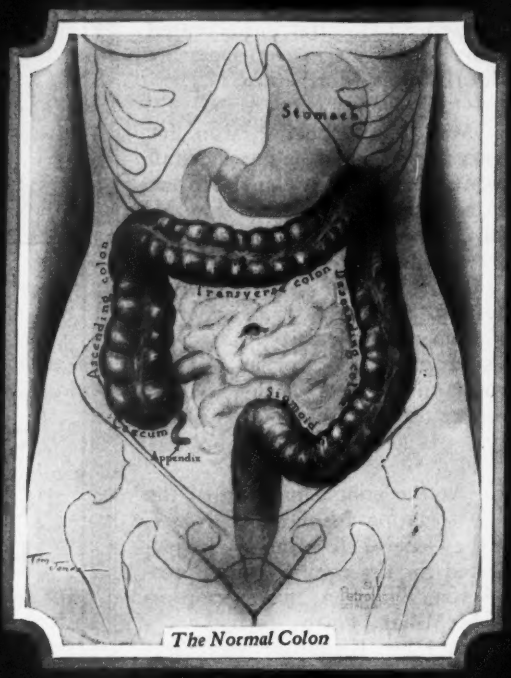

The Normal Colon

The above picture is one of a series illustrating the Seventh Edition of the treatise "Habit Time."

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- — produces normal physiological reaction on secretory and motor functions of the bowel.
- — mechanically protects the membrane as does mucus.

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Write for information about the new Dispensing Hospital Unit for hospital dispensing only.

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Toronto, Ont.

Gentlemen:—Send me copy of the new brochure "Habit Time" and specimens of Petrolagar.

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THE Hospital Buyers' Directory

A Directory of Building Specialties, Equipment and Supplies for Hospital Executives, Building Committees and Purchasing Departments.

For Convenient Reference the Listings are Divided into Seven Sections as follows:

SECTION A—Page 33
Building Materials of all kinds

SECTION B—Page 40
Building Equipment.

SECTION C—Page 42
Office Equipment, General Equipment, Furnishings and Supplies.

SECTION D—Page 49
Clinical and Scientific Equipment and Supplies.

SECTION E—Page 56
Laundry Equipment aud Supplies.

SECTION F—Page 58
Food Service Equipment, Utensils aud Supplies.

SECTION G—Page 61
Foods aud Beverages.

SECTION A
Building Materials

ACOUSTICAL MATERIALS
Canadian Johns-Manville Co., Ltd., Toronto.
Celetox Company, Chicago.
Stevens Sound-Proofing Co., Chicago.

ALUMINUM
Sheet
Aluminum Company of Canada, Ltd., Toronto.
British Aluminum Co., Toronto.

BOARD, GYPSUM
Ebsary Gypsum Co., Limited, Caledonia, Ont.
Ontario Gypsum Co., Ltd., Paris, Ont.

CEILINGS, METAL
Canadian Rogers Sheet Metal & Roofing, Ltd., Winnipeg.
Galt Art Metal Co., Ltd., Galt, Ont.
Metal Shingle & Siding Co., Ltd., Preston, Ont.
Metallic Roofing Co. of Canada, Ltd., Toronto,
McFarlane-Douglas Co., Ltd., Ottawa.
Ormsby, A. B., Co., Ltd., Toronto.
Pedlar People, Limited, Oshawa, Ont.
Western Steel Products, Ltd., Winnipeg.

CEILINGS
Ornamental Glass
McCausland, Robert, Ltd., Toronto.

CONDUIT, ELECTRICAL
Canadian General Electric Co., Ltd., Toronto.
Canadian Triangle Conduit Co., Ltd., Toronto.
Conduits, Limited, Toronto.

CORK BOARD
Armstrong Cork & Insulation Co., Ltd., Toronto.

DOORS, METAL
Metal Shingle & Siding Co., Ltd., Preston, Ont.
Ormsby, A. B., Co., Ltd., Toronto.
Western Steel Products, Ltd., Winnipeg.

FIRE ESCAPES
Architectural Bronze & Iron Works, Toronto.
Dennis Wire & Iron Works Co., Ltd., London, Ont.
Dominion Bronze & Iron, Ltd., Winnipeg.
McGregor & McIntyre, Ltd., Toronto.
Ormsby, A. B., Co., Ltd., Toronto.
Roelofson Elevator Works, Galt, Ont.
Vancouver Engineering Works, Ltd., Vancouver, B.C.
Watson, John, & Son, of Montreal, Ltd., Montreal.

FIRE PROTECTION APPARATUS
Pyrene Mfg. Co., of Canada, Ltd., Toronto.
B. H. Montgomery, Hose Reel Co., Toronto.
Pronto Sales Co., Ltd., Toronto.

FLOORING
Marble
Hoidge Marble Co., Ltd., Toronto.
Hooper's Marble & Granite Co., Ltd., Winnipeg.
Italian Mosaic Marble Co., of Canada, Ltd., Toronto.
Marriott Marble Co., Montreal.
Ontario Marble Co., Ltd., Peterboro, Ont.

Terrazzo
Bilodeau, Ign., Limitée, Quebec, Que.
Memorial Marble & Tile Co., Ltd., Winnipeg.
Pizzigali Terrazzo Tile Mfg. Co., Montreal.
Smith Marble and Construction Co., Ltd., Montreal.

Cork Composition
Armstrong Cork & Insulation Co., Ltd., Toronto.
Dominion Oilcloth & Linoleum Co., Ltd., Montreal.

Rubber
Canadian Consolidated Rubber Co., Ltd., Montreal.
Canadian I.T.S. Rubber Co., Ltd., Toronto.
Dunlop Tire & Rubber Goods Co., Ltd., Toronto.

Linoleum, Battleship
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Dominion Oilcloth & Linoleum Co., Ltd., Montreal.

Oil Cloth
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Dominion Oilcloth & Linoleum Co., Ltd., Montreal.

GLASS
Vioray
W. E. Phillips Co., Ltd., Oshawa, Ont.

HARDWARE, BUILDERS'
Belleville Hardware & Lock Mfg. Co., Ltd., Belleville, Ont.
Canada Foundries & Forgings, Ltd., Brockville, Ont.
McLean & Powell Iron Works, Vancouver, B.C.
Montreal Hardware Mfg. Co., Ltd., Montreal.
National Hardware Mfg. Co., Ltd., Orillia, Ont.
Peterborough Lock Mfg. Co., Ltd., Peterborough, Ont.
Richards-Wilcox Canadian Co., Ltd., London, Ont.
Slater, B., Co., Limited, Hamilton.
Stanley Works of Canada, Ltd., Hamilton.
Stratford Brass Co., Ltd., Stratford, Ont.
Taylor-Forbes Co., Ltd., Guelph, Ont.
Toronto Lock Mfg. Co., Toronto.
Winnipeg Brass & Fixture Co., Winnipeg.
Yale & Towne Mfg. Co., St. Catharines, Ont.

INSULATION
Cold Storage and Refrigeration
Armstrong Cork & Insulation Co., Ltd., Toronto.
Canadian Johns-Manville Co., Ltd., Toronto.
Celotex Company, Chicago.

METAL
Ornamental Work
George B. Meadows Co., Ltd., Toronto.
Architectural Bronze & Iron Works, Toronto.
Canada Wire & Iron Goods Co., Hamilton.
Galt Art Metal Co., Ltd., Galt, Ont.

MONEL METAL FOR FABRICATION
International Nickel Co., New York.

PAINT
Acid-Proof
Barrett Co., Limited, Toronto.
Brandram-Henderson, Ltd., Montreal.
British American Paint Co., Ltd., Victoria, B.C.
Dominion Paint Works, Ltd., Walkerville, Ont.
International Varnish Co., Ltd., Toronto.
Ottawa Paint Works, Ltd., Ottawa.
Ruberoid Co., Ltd., Montreal.
Sherwin-Williams Co. of Canada, Ltd., Montreal.
Stephens, G. F., & Co., Ltd., Winnipeg.

Asphalt
Brandram-Henderson, Ltd., Montreal.
Dominion Paint Works, Ltd., Walkerville, Ont.
International Varnish Co., Ltd., Toronto.
Lowe Bros. Co., Ltd., Toronto.

Gold and Aluminum
Brandram-Henderson, Ltd., Montreal.
Canadian Bronze Powder Works, Ltd., Montreal.
Imperial Varnish & Color Co., Ltd., Toronto.
International Varnish Co., Ltd., Toronto.
Lowe Bros. Co., Ltd., Toronto.
Moore, Benjamin & Co., Ltd., Toronto.
Ottawa Paint Works, Ltd., Ottawa.
Ramsay, A. & Son Co., Montreal.
Sanderson Pearcy & Co., Ltd., Toronto.
Sherwin-Williams Co. of Canada, Ltd., Montreal.
Standard Paint & Varnish Co., Ltd., Windsor, Ont.
Staneland Co., Ltd., Victoria, B.C.
Stephens, G. F., & Co., Ltd., Winnipeg.

PARTITIONS
Fireproof
McFarlane-Douglas Co., Ltd., Ottawa.
Metal Shingle & Siding Co., Ltd., Preston, Ont.
A. B. Ormsby Co., Ltd., Toronto.

Wire
Geo. B. Meadows Co., Ltd., Toronto.
Architectural Bronze & Iron Works, Toronto.
Canada Wire & Iron Goods Co., Hamilton.
Dennis Wire & Iron Works Co., Ltd., London, Ont.
B. Greening Wire Co., Ltd., Hamilton.
Johnson Wire Works, Ltd., Montreal.

PLASTER
Cement Wall
Alabastine Co., Ltd., Paris. Ont.
Manitoba Gypsum Co., Ltd., Winnipeg.
Ontario Gypsum Co., Ltd., Paris, Ont.

Finishing
Alabastine Co., Ltd., Paris, Ont.
Iona Gypsum Products, Ltd., Sydney, N.S.
Manitoba Gypsum Co., Ltd., Winnipeg.
Ontario Gypsum Co., Ltd., Paris, Ont.
Toronto Builders' Supply Co., Ltd., Toronto.

ROOFING
Asbestos
Asbestos Mfg. Co., Ltd., Quebec.
Asbestos Products Co. of Canada, Montreal.
Canadian Johns-Manville Co., Ltd., Toronto.

Galvanized, Iron and Copper
Thos. Davidson Mfg. Co., Ltd., Montreal.
W. E. Dillon Co., Ltd., Toronto.
Galt Art Metal Co., Ltd., Galt, Ont.
Macdonald Bros. Sheet Metal & Roofing Co., Ltd., Winnipeg.
McFarlane-Douglas Co., Ltd., Ottawa.
Metal Shingle & Siding Co., Ltd., Preston, Ont.
Metallic Roofing Co. of Canada, Ltd., Toronto.
A. B. Ormsby Co., Ltd., Toronto.
Pedlar People, Ltd., Oshawa.
Roofers' Supply Co., Ltd., Toronto.

Asphalt
Barrett Co., Ltd., Toronto.
Bird & Son, Ltd., Hamilton.
Brantford Roofing Co., Ltd., Brantford, Ont.

SHINGLES
Slate
Davis Slate and Mfg. Co. of Canada, Ltd., Toronto.
Ontario Marble Co., Ltd., Peterborough, Ont.

STAIR TREADS
Metal
Canada Metal Co., Ltd., Toronto.
Darling Bros., Ltd., Montreal.
John Watson & Son of Montreal, Ltd., Montreal

Rubber
Canadian Consolidated Rubber Co., Ltd., Montreal.
Canadian I.T.S. Rubber Co., Ltd., Toronto.
Dunlop Tire & Rubber Goods Co., Ltd., Toronto.
Gutta Percha & Rubber Limited, Toronto.
Seiberling Rubber Co. of Canada, Ltd., Toronto.

SHELVING
Metallic
Office Specialty Mfg. Co., Ltd., Newmarket, Ont.
Brantford Oven & Rack Co., Ltd., Brantford, Ont.
Dennis Wire & Iron Works, Ltd., London, Ont.
Steel Equipment Co., Ltd., Ottawa.

TERRA COTTA
Montreal Terra Cotta Co., Ltd., Montreal.
Grimsby Brick & Tile Co., Grimsby, Ont.
Merkleys Limited, Ottawa.
National Fireproofing Co., of Canada, Ltd., Toronto.

VENTILATING APPARATUS
Canadian Blower & Forge Co., Ltd., Kitchener, Ont.
Lord & Burnham Co., Ltd., St. Catharines, Ont.
Sheldons, Limited, Galt, Ont.

WEATHERSTRIPS
Chamberlain Metal Weatherstrip Co., Ltd., Kingsville, Ont.
Higgin Mfg. Co., Toronto.
Wm. Peace Co., Ltd., Hamilton.
Swan Mfg. Co., Winnipeg.
Window Strip & Supply Co., Montreal.

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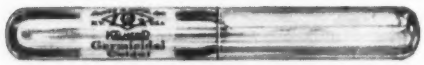
GERMICIDAL. Exerts a bactericidal action in the suture tract. Supersedes the older unstable iodized sutures. Impregnated with the double iodine compound, potassium-mercuric-iodide.† Heat sterilized.



The boilable grade is unusually flexible for boilable catgut; the non-boilable grade is extremely flexible.

TWO VARIETIES

BOILABLE* NO.		NON-BOILABLE NO.
1205	PLAIN CATGUT	1405
1225	10-DAY CHROMIC	1425
1245	20-DAY CHROMIC	1445
1285	40-DAY CHROMIC	1485

Sizes: 000..00..0..1..2..3..4

Approximately 60 inches in each tube

Package of 12 tubes of a size.....$3.00

Less 20% on gross or more or $28.80, net, a gross

Claustro-Thermal Catgut

ASEPTIC. Sterilized by heat after the tubes are sealed. Boilable.* Unusually flexible for boilable catgut.

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105	PLAIN CATGUT
125	10-DAY CHROMIC CATGUT
145	20-DAY CHROMIC CATGUT
185	40-DAY CHROMIC CATGUT

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Package of 12 tubes of a size.....$3.00

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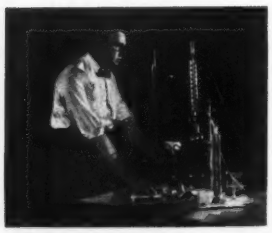

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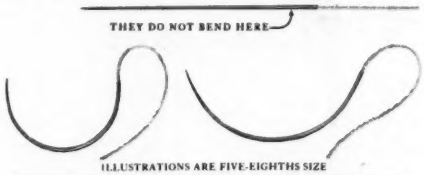

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1341	STRAIGHT NEEDLE	28	$3.00
1342	TWO STRAIGHT NEEDLES	36	3.60
1343	⅜-CIRCLE NEEDLE	28	3.60
1345	½-CIRCLE NEEDLE	28	3.60

Less 20% discount on one gross or more

Sizes: 00..0..1

Packages of 12 tubes of one kind and size

Kangaroo Tendons

GERMICIDAL, being impregnated with potassium-mercuric-iodide.† Chromicized to resist absorption in fascia or in tendon for approximately thirty days. The non-boilable grade is extremely flexible.

NO.	
370	NON-BOILABLE GRADE
380	*BOILABLE GRADE

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Each tube contains one tendon

Lengths vary from 12 to 20 inches

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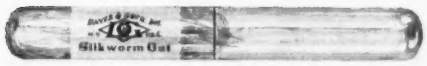
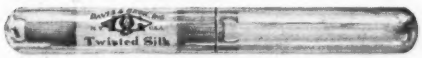


NO.		INCHES IN TUBE	SIZES
350	Celluloid-Linen	60	000, 00, 0
360	Horsehair	168	00
390	White Silkworm Gut	84	00, 0, 1
400	Black Silkworm Gut	84	00, 0, 1
450	White Twisted Silk	60	000 to 3
460	Black Twisted Silk	60	000, 0, 2
480	White Braided Silk	60	00, 0, 2, 4
490	Black Braided Silk	60	00, 1, 4

BOILABLE

Package of 12 tubes of a size.....$3.00
Less 20% on gross or more or $28.80, net, a gross

Short Sutures for Minor Surgery



NO.		INCHES IN TUBE	SIZES
802	Plain Kalmerid Catgut	20	00, 0, 1, 2, 3
812	10-Day Kalmerid "	20	00, 0, 1, 2, 3
822	20-Day Kalmerid "	20	00, 0, 1, 2, 3
862	Horsehair	56	00
872	White Silkworm Gut	28	0
882	White Twisted Silk	20	000, 0, 2
892	Umbilical Tape	24	⅛-in. wide

BOILABLE

Package of 12 tubes of a size.....$1.50
Less 20% on gross or more or $14.40, net, a gross

Emergency Sutures with Needles

UNIVERSAL NEEDLE FOR SKIN, MUSCLE, OR TENDON

NO.		INCHES IN TUBE	SIZES
904	Plain Kalmerid Catgut	20	00, 0, 1, 2, 3
914	10-Day Kalmerid "	20	00, 0, 1, 2, 3
924	20-Day Kalmerid "	20	00, 0, 1, 2, 3
964	Horsehair	56	00
974	White Silkworm Gut	28	0
984	White Twisted Silk	20	000, 0, 2

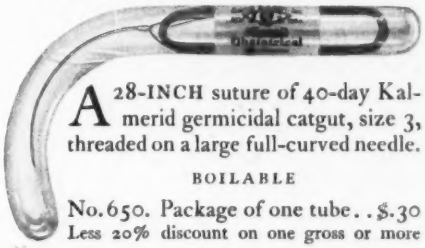
BOILABLE

Package of 12 tubes of a size.....$2.40
Less 20% on gross or more or $23.04, net, a gross

The ash of D&G Sutures is assayed to make sure that no traces remain of uncombined chromium nor of other residues of the chromicizing process.

Obstetrical Sutures

FOR IMMEDIATE REPAIR OF PERINEAL LACERATIONS



A 28-INCH suture of 40-day Kalmerid germicidal catgut, size 3, threaded on a large full-curved needle.

BOILABLE

No. 650. Package of one tube..$.30
Less 20% discount on one gross or more

Circumcision Sutures

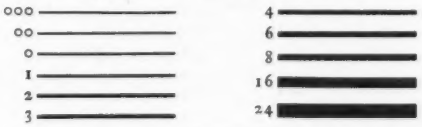
A 28-INCH suture of Kalmerid germicidal catgut, plain, size 00, threaded on a small full-curved needle.

BOILABLE

No. 600. Package of 12 tubes.....$3.00
Less 20% on gross or more or $28.80, net, a gross

Universal Suture Sizes

All sutures are gauged by the standard catgut sizes as here shown



*These tubes not only may be boiled but even may be autoclaved up to 30 pounds pressure, any number of times, without impairment of the sutures.

†Potassium-mercuric-iodide is the ideal bactericide for the preparation of germicidal sutures. It has a phenol coefficient of at least 1100; it is not precipitated by serum or other proteins; it is chemically stable—unlike iodine it does not break down under light and heat; it interferes in no way with the absorption of the sutures, and in the proportions used is free from irritating action on tissues.

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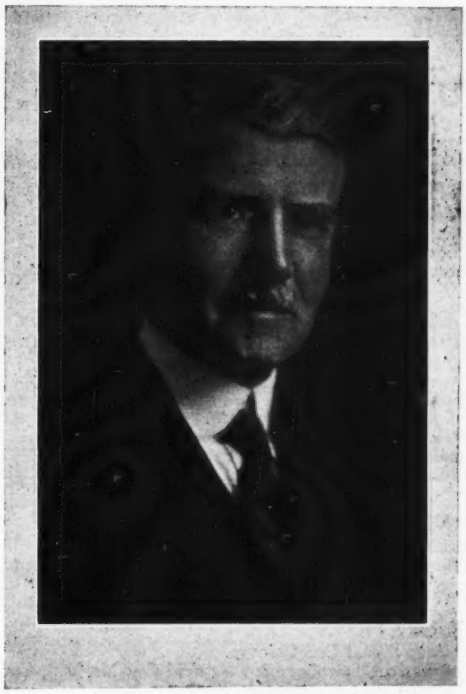
SUSHRUTA (circa 600 B. C.) the father of Indian surgery and author of the *Samhitá*, divided surgical operations into eight classes: scarification, incision, excision, aspiration, probing, extraction of foreign bodies, extraction of fluids, and suturing. He recommended the use of sutures in wounds of the joints, and in closing abdominal incisions and open ulcers. The suture material consisted of cotton, strips of leather, fibre of the Ashmántaka tree, plaited horsehair, and animal sinews.

D&G Sutures

"THIS ONE THING WE DO"

DAVIS & GECK INC.



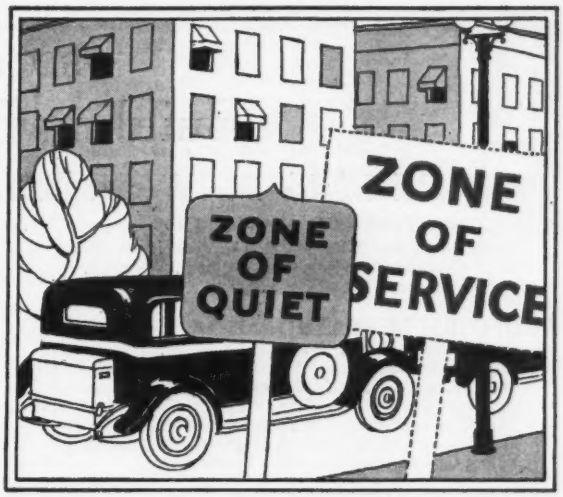
Portrait by Milne Studios
DR. GEO. S. YOUNG
Chief of Medical Staff
Toronto General Hospital

How is Your Hospital Planning to Celebrate

NATIONAL HOSPITAL DAY

May 12th

As the main purpose of the observance is to secure more public interest in the hospitals, any legitimate activity that will interest the public is worth considering. Reunions of patients, baby shows, pageants by the nurses, poster contests, newspaper publicity, merchants' window displays, all these have been used to good advantage in the past. It is not too early to begin work on your programme. Make National Hospital Day this year a memorable event in the history of your institution.



Does Your Hospital show both Signs?

LOCAL ordinances make a ZONE OF QUIET. But only your own zeal and initiative can make your hospital a ZONE OF SERVICE in the complete sense.

Take CLEANLINESS, for example—one of the greatest necessities and courtesies in hospital service. Common sense says—CLEANLINESS BEGINS WITH CLEAN FLOORS. Yet how many otherwise careful hospitals are still using old-fashioned, inefficient hand methods—expending time and money without getting really clean floors?

Fortunately, their number is rapidly decreasing. Each day sees new additions to the honor roll of hospitals using the FINNELL SYSTEM of *noiseless* electric floor polishing, waxing and scrubbing.

The reason for this is twofold: *First*, FINNELL equipment really gets floors clean, and makes them *stay* clean longer. In patients' rooms, operating rooms, lavatories, laboratories, kitchens. It scrubs out dirt that hand methods fail to remove. It also waxes and polishes wood or linoleum, preserving its clean attractiveness with least effort. *Second*, FINNELL equipment saves time and labor, and has been known to reduce hospital floor cleaning expenses as much as 60%! It not only pays for itself quickly, but also pays dividends in improved morale, increased patronage, greater public esteem.

Write for Free Information

Choose no scrubbing or polishing machine until you have investigated the FINNELL. Write to-day for the details of the right way to achieve hygienic floor cleanliness and permanent floor beauty at least expense. Address

DUSTBANE PRODUCTS Limited
Standard Bank Building,
Ottawa, Ont.
Branches:
Montreal, Winnipeg, Vancouver.

FINNELL

ELECTRIC FLOOR MACHINE

It waxes · It polishes · It scrubs

SECTION B
Building Equipment

AIR CONDITIONING SYSTEMS
Canadian Blower & Forge Co., Ltd., Kitchener, Ont.
Linde Canadian Refrigeration Co., Ltd., Montreal.
B. F. Sturtevant Co. of Canada, Ltd., Galt, Ont.

AUDITORIUM SEATS
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Metal Craft Co., Ltd., Grimsby.
Canadian Office & School Furniture Co., Ltd., Preston, Ont.
Globe Furniture Co., Ltd., Waterloo, Ont.
Prince Albert Mfg. Co., Ltd., Prince Albert, Sask.
Valley City Seating Co., Ltd., Dundas, Ont.

AUTOMATIC SPRINKLERS
Automatic Sprinkler Co. of Canada, Ltd., Montreal.
Grinnell Co. of Canada, Ltd., Toronto.
W. J. McGuire, Limited, Toronto.
Rockwood Sprinkler Co. of Canada, Ltd., Montreal.

BATHROOM ACCESSORIES
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Canadian Brass Co., Ltd., Galt, Ont.
Crane, Ltd., Montreal.
Empire Brass Mfg. Co., Ltd., Toronto.
James Morrison Brass Mfg. Co., Ltd., Toronto.
Mueller Limited, Sarnia, Ont.
James Robertson Co., Ltd., Toronto.
Standard Sanitary Mfg. Co., Ltd., Toronto.
Wallaceburg Brass & Iron Mfg. Co., Ltd., Wallaceburg, Ont.

BATTERIES, STORAGE
Burgess Battery Co., Niagara Falls, Ont.
Canadian National Carbon Co., Ltd., Toronto.
Exide Batteries of Canada, Ltd., Toronto.
Prest-O-Lite Co. of Canada, Ltd., Toronto.

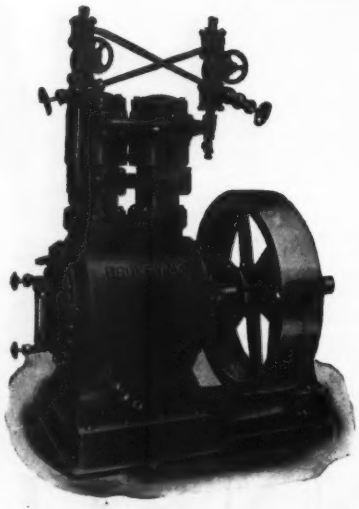
BOILERS
Babcock, Wilcox & Goldie-McCulloch, Ltd., Galt, Ont.
Canadian Allis-Chalmers, Ltd., Toronto.
Gurney Foundry Co., Ltd., Toronto.
Waterous Engine Works Co., Ltd., Brantford.
John Inglis Co., Ltd., Toronto.
Pease Foundry Co., Ltd., Toronto.
Spencer Heater Co. of Canada, Ltd., Toronto.
Taylor-Forbes Co., Ltd., Guelph.

CABINETS, METAL
Metal Craft Co., Ltd., Grimsby, Ont.
Office Specialty Mfg. Co., Ltd., Newmarket, Ont.
Steel Equipment Co., Ltd., Ottawa.

CALL SYSTEMS
Chicago Signal Co., Chicago.
Connecticut Telephone & Electrical Co., Meriden, Conn.
Holtzer-Cabot Electric Co., Roxbury, Mass.

CHUTES, SPIRAL
Mahaffy Iron Works, Toronto.
Mathews Conveyor Co., Ltd., Port Hope, Ont.

BRUNSWICK-KROESCHELL
Refrigerating Equipment



is installed and is giving complete satisfaction in many hospitals

For hospitals, Brunswick-Kroeschell Carbonic Anhydride Refrigerating Equipment is recognized as standard, although there are cases where ammonia may be satisfactorily employed.

Probably no other institution must be so particular in the selection of a refrigerating system as a modern hospital. It is one of the most important parts of the entire mechanical equipment.

This is a highly specialized field and facilities must be provided for cooling main general storage refrigerators, diet kitchens, laboratory and drug refrigerators, and mortuary compartments. In addition to this, drinking water should be cooled and circulated, and sufficient ice made for ice packs, kitchen use, ice cream making, etc.

Brunswick-Kroeschell Refrigeration is furnished in either the carbonic anhydride or ammonia system to suit individual requirements.

The services of our engineers are at your disposal in the proper selection of your refrigerating equipment.

Canadian Distributors

J. L. WILSON & SONS
Refrigerating Engineers

2742 Dundas Street West - - - TORONTO, CANADA

CLOCKS, TIME RECORDER
International Business Machines Co., Ltd., Toronto.

COLD STORAGE ROOMS
Canadian Ice Machine Co., Ltd., Toronto.
J. L. Wilson & Sons, Toronto
John Hillock Co., Ltd., Toronto.

DRINKING FOUNTAINS
Architectural Bronze & Iron Works, Toronto.
Crane, Limited, Montreal.
Mueller, Limited, Sarnia, Ont.
Port Hope Sanitary Mfg. Co., Ltd., Toronto.

DUMBWAITERS
Otis-Fensom Elevator Co., Ltd., Hamilton.
F. Mitchell & Sons, Hamilton.
Roelofson Elevator Works, Galt, Ont.
Turnbull Elevator Co., Ltd., Toronto.

ELEVATORS, ELECTRIC
Otis-Fensom Elevator Co., Ltd., Hamilton.
Turnbull Elevator Co., Ltd., Toronto.

ELEVATORS, HAND
Otis-Fensom Elevator Co., Ltd., Hamilton.
F. Mitchell & Sons, Hamilton.
John Turner & Son, Toronto.

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Canadian Westinghouse Co., Ltd., Hamilton.
Canadian General Electric Co., Ltd., Toronto.
Robbins & Myers Co. of Canada, Ltd., Brantford, Ont.

FIRE ALARMS
Holtzer-Cabot Electric Co., Roxbury, Mass.
Northern Electric Co., Ltd., Montreal.

FIRE EXTINGUISHERS
Pyrene Mfg. Co. of Canada, Ltd., Toronto.
Foamite-Childs of Canada, Ltd., Toronto.
Pronto Sales Co., Limited, Toronto.

FIXTURES, ELECTRICAL
T. Eaton Co., Limited, Toronto.
Robert Simpson Co., Ltd., Toronto.
W. H. Banfield & Sons, Toronto.
Robt. Mitchell Co., Ltd., Montreal.
Jas. Morrison Brass Mfg. Co., Ltd., Toronto.
Standard Bronze Co., Ltd., Toronto.
Tallman Brass & Metal, Ltd., Hamilton.

INCINERATORS
Engineering & Machine Works of Canada, Ltd., St. Catharines, Ont.
Wm. Hamilton Co., Ltd., Peterborough, Ont.
MacKinnon Steel Co., Ltd., Sherbrooke, Que.

LADDERS
McFarlane Mfg. Co., Ltd., Toronto.
Stratford Mfg. Co., Ltd., Stratford, Ont.

LAMPS, INCANDESCENT
Canadian Westinghouse Co., Ltd., Hamilton.
Canadian General Electric Co., Ltd., Toronto.
Canadian Laco Lamps, Ltd., Montreal.
Dalyte Electric, Ltd., Guelph.
Solex Company, Ltd., Montreal.

LIGHTING SYSTEMS, COMPLETE
Delco Light Co. of Canada, Ltd., Toronto.
Canadian Fairbanks-Morse Co., Ltd., Montreal.

LOCKERS, STEEL
Metal Craft Co., Ltd., Grimsby, Ont.
Office Specialty Mfg. Co., Ltd., Toronto
Dennis Wire & Iron Goods Co., Ltd., London, Ont.
Dominion Steel Equipment Co., Toronto.
Steel Equipment Co., Ltd., Ottawa.

RADIATORS
Dominion Radiator & Boiler Co., Ltd., Toronto.
Gurney Foundry Co., Ltd., Toronto.
King, Warden, Limited, Montreal.
Pease Foundry Co., Ltd., Toronto.
Taylor-Forbes Co., Ltd., Guelph, Ont.

REFRIGERATORS
T. Eaton Co., Limited, Toronto.
Robert Simpson Co., Ltd., Toronto.
Canadian Jewett Refrigerator Co., Bridgeburg, Ont.
James Davidson's Sons, Ottawa.
Thos. Davidson Mfg. Co., Ltd., Montreal.
Eureka Mfg. Co., Ltd., Owen Sound, Ont.
Linde Canadian Refrigeration Co., Ltd., Montreal.
Sanderson-Harold Co., Ltd., Paris, Ont.

REFRIGERATING MACHINERY
Canadian Ice Machine Co., Ltd., Toronto.
Frigidaire Corporation, Toronto.
Kelvinator Co. of Canada, London, Ont.
J. L. Wilson & Sons, Toronto.
Keith Electric Refrigerator Co., Ltd., Toronto.
Linde Canadian Refrigeration Co., Ltd., Montreal.

SCREENS
Door, Porch, Window
T. Eaton Co., Limited, Toronto.
Robert Simpson Co., Ltd., Toronto.
Aluminum Bronze Screen Co., Toronto.
B. Greening Wire Co., Ltd., Hamilton.
Ham Brothers Limited, Brantford, Ont.
Higgin Mfg. Co., Toronto.

SHOWERS, SINKS, URINALS
Crane Limited, Montreal.
Purdy-Mansell, Ltd., Toronto.
James Robertson Co., Ltd., Toronto.
Standard Sanitary Mfg. Co., Ltd., Toronto.
Port Hope Sanitary Mfg. Co., Ltd., Port Hope, Ont.

STEAM SPECIALTIES
C. A. Dunham Co., Ltd., Toronto.
Jenkins Bros., Ltd., Montreal.
Penberthy Injector Co., Ltd., Windsor, Ont.
Riley Engineering & Supply Co., Ltd., Toronto.

STERILIZERS
Castle, Wilmot Company, Rochester, N.Y.
American Sterilizer Co., Erie, Pa.
Barnstead Still & Sterilizing Co., Inc., Boston.
Kny-Scheerer Corporation of America, New York.
Scanlan-Morris Company, Madison, Wis.
Bramhall Deane Co., New York.

STILLS, WATER
Castle, Wilmot Company, Rochester, N.Y.
Barnstead Mfg. Co,. Boston.
Barnstead Still & Sterilizer Co., Inc., Boston.
Kny-Scheerer Corporation of America, New York.

TELEPHONES, INTERCOMMUNICATING
Canadian Telephone & Supplies, Ltd., Toronto.
Northern Electric Co., Ltd., Montreal.
Stromberg-Carlson Telephone Mfg. Co. of Canada, Ltd., Toronto.

VACUUM CLEANERS
Stationary
B. F. Sturtevant Co. of Canada, Ltd., Galt, Ont.

WATER FILTERS
Refinite Co. of Canada, Ltd., Toronto.

WATER SOFTENERS
Canadian Allis-Chalmers, Ltd., Toronto.
McLelland Engineering Co., Toronto.
Permutit Co., New York.
Refinite Co. of Canada, Ltd., Tornto.
Riley Engineering & Supply Co., Ltd., Toronto.
Wayne Pump & Tank Co., Limited, Toronto.

SECTION C

General Equipment, Furnishings and Supplies

ACCOUNTING SYSTEMS
Office Specialty Mfg. Co., Ltd., Toronto.
Kardex, Ltd., Toronto.
R. J. Lovell Co., Ltd., Toronto.
Physicians' Record Co., Chicago, Ill.

ADDING MACHINES
Burroughes Adding Machine Co. of Canada, Ltd., Toronto.
United Typewriter Co., Ltd., Toronto.

APRONS, NURSES'
Corbett-Cowley, Ltd., Toronto.

Aprons, Men's Work
J. A. Haugh Mfg. Co., Ltd., Toronto.
Palmer, McLellan Shoe Pack Co., Fredericton, N.B.
Scythes & Co., Ltd., Toronto.

Aprons, Rubber
W. J. Anderson Mfg. Co., Ltd., London, Ont.
Canadian Consolidated Rubber Co., Ltd., Montreal.
Dunlop Tire & Rubber Goods Co., Ltd., Toronto.
Transparent Rubber Goods Co., Ltd., Galt, Ont.

AWNINGS
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
B.C. Tent and Awning Co., Ltd., Vancouver.
Holland Window Shade Co., Halifax.
Manitoba Tent & Awning Co., Winnipeg.
Montreal Tent, Awning & Tarpaulin Co., Ltd., Montreal.
J. Taylor, Toronto.

BASKETS, WASTE
Dustbane Products, Ltd., Ottawa.
Office Specialty Mfg. Co., Ltd., Toronto.
McClary Mfg. Co., Ltd., London, Ont.
Soclean, Limited, Toronto.
Steel Equipment Co., Ltd., Ottawa.

BATH ROBES
Corbett-Cowley, Ltd., Toronto.
Caulfield, Burns & Gibson, Ltd., Toronto.
Comfort Kimono Mfg. Co., Montreal.

BEDS, DRESSERS, CHAIRS
T. Eaton Co., Limited, Toronto.
Robert Simpson Co., Ltd., Toronto.
Canada Furniture Mfrs., Ltd., Woodstock, Ont.
Dominion Furniture Mfrs., Ltd., Ste. Therese, Que.
Gibbard Furniture Shops, Ltd., Napanee, Ont.
Hespeler Furniture Co., Ltd., Hespeler, Ont.
McLagan Furniture Co., Ltd., Stratford, Ont.
Simmons Limited, Montreal.
Steel Equipment Co., Ltd., Ottawa.

Complete Office Equipment

Your hospital rating is greatly enhanced by a well equipped office and record-keeping system. Let *"Office Specialty"* help you to get 100% efficiency in this phase of your service.

Tell us your filing or record-keeping problem and we will give you the facts on how to solve it most effectively. Complete office equipment service.

The "Office Specialty" Efficiency Desk

We make and sell direct:

Desks
Chairs
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Steel Counter Files
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OFFICE SPECIALTY MFG. CO. LIMITED

Head Office and Factories: Newmarket, Ont.

Branches: Toronto, Ottawa, Montreal, Quebec, Halifax, Hamilton, Winnipeg, Regina, Calgary, Vancouver.

BILLING MACHINES
Burroughes Adding Machine Co. of Can., Ltd., Toronto.
United Typewriter Co., Ltd., Toronto.

BLANKETS
Wool
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Ayers Limited, Lachute Mills, Que.
Barrington Woollen Mills, Barrington, N.S.
Bates & Innes, Ltd., Carleton Place, Ont.
Boyd Caldwell & Co., Ltd., Perth, Ont.
Co-operative Wool Growers, Ltd., Toronto.
Harvey Bros., Montreal.
Kenwood Mills, Ltd., Arnprior, Ont.
Penmans Limited, Paris, Ont.
Slingsby Mfg. Co., Ltd., Brantford.
Stanfields Limited, Truro, N.S.

BLANKETS
Cotton
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Canadian Cottons, Ltd., Montreal.
Dominion Textile Co., Ltd., Montreal.

BOARDS, BULLETIN
Art Interchangeable Sign Co., Ltd.
Canada Decalcomania Co., Ltd., Toronto.
Universal Register Co., Chicago.

BOOKCASES, SECTIONAL
Office Specialty Mfg. Co., Ltd., Toronto.
Canada Furniture Mfrs., Ltd., Woodstock.
Globe-Wernicke Co., Ltd., Stratford.

BROOMS
Dustbane Products, Ltd., Ottawa.
Canada Broom Co., Montreal.
Canadian National Institute for the Blind, Toronto.
Crown Broom Works, Ltd., Vancouver.
Fuller Brush Co., Ltd., Hamilton.
Perfection Sanitary Brush Co., Toronto.
Soclean Limited, Toronto.

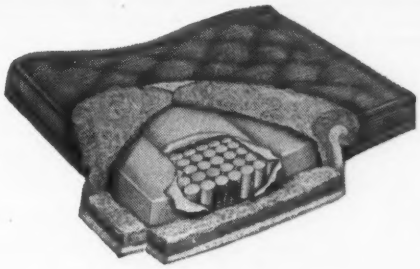
BRUSHES
Cleaning
Dustbane Products, Ltd., Ottawa.
Soclean Limited, Toronto.
Boeckh Co., Ltd., Toronto.
Canada Brush Co., Ltd., St. John, N.B.
Fuller Brush Co., Ltd., Hamilton.
S. C. Johnson & Son, Ltd., Brantford.
T. S. Simms & Co., Ltd., St. John, N.B.
Twistwire Brushes, Ltd., Toronto.

Paint
Boeckh Co., Ltd., Toronto.
Canada Brush Co., Ltd., St. John, N.B.
London Brush Co., Ltd., London.
Meakins Sons, Ltd., Hamilton.
A. Muirhead Co., Ltd., Toronto.
Rubberset Co., Ltd., Toronto.
T. S. Simms & Co., Ltd., St. John, N.B.

CABINETS
Chart, History
Metal Craft Co., Ltd., Grimsby.
Scanlon-Morris Co., Madison, Wis.

CAFE FURNITURE
I. G. Pickering Co., Ltd., Toronto.
Sani-Products Co., Ltd., Toronto.
J. B. Watson Furniture Co., Ltd., Kincardine, Ont.

CAPS, NURSES'
Corbett-Cowley, Ltd., Toronto.
T. Eaton Co., Ltd., Toronto.



The Choice of Leading Hospitals Throughout the Country—

"PERFECT"
Spring Mattresses

PROVE to yourself the wisdom, economy and satisfaction of using the better made, longer life, Perfect Spring Mattresses.

Install a few "Perfects" now, and compare the service and satisfaction they give with the general dissatisfaction and complaints resulting from cheaper and inferior makes.

Perfect Spring Mattresses are designed to meet every condition that makes for comfort to the patient and ultimate saving to the hospital.

Perfect Spring Mattresses will add to the prestige of your hospital long after the initial cost has been saved in economical service.

Write for special prices to hospitals.

The Canadian Feather & Mattress Co.
LIMITED
Toronto - - - Ottawa
"We Keep Awake that Others May Sleep"

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Brantford Oven & Rack Co., Ltd., Brantford.
National Hardware Co., Ltd., Orillia, Ont.
Toronto Lock Mfg. Co., Toronto.

CASTERS, SLIDING
Metal Craft Co., Ltd., Grimsby, Ont.
Bond Engineering Works, Ltd., Toronto.
Brantford Oven & Rack, Ltd., Brantford, Ont.
Canada Foundries & Forgings, Ltd., Brockville, Ont.
Onward Mfg. Co., Ltd., Kitchener, Ont.

CHAIRS
Wheel
Robert Simpson Co., Ltd., Toronto.
Gendron Mfg. Co., Ltd., Toronto

CLEANSING AGENTS
Hand
E. W. Gillett Co., Ltd., Toronto.
Alpha Chemical Co., Ltd., Kitchener, Ont.
Albert Soaps, Ltd., Montreal.
Associated Chemical Co. of Canada, Ltd., Toronto.
Canadian Chemical Co., Ltd., Vancouver.
Snap Co., Ltd., Montreal.
Soclean Limited, Toronto.

Kitchen, Floor, etc.
Dustbane Products, Ltd., Ottawa.
E. W. Gillett Co., Ltd., Toronto.
Imperial Oil, Ltd., Toronto.
Soclean Limited, Toronto.
Standard Cleaning Products, Ltd., Toronto.
Alpha Chemical Co., Ltd., Kitchener, Ont.
Bon-Ami, Ltd., Montreal.
Cudahy Packing Co., Toronto.
Diamond Cleanser, Ltd., Toronto.
S. F. Lawrason & Co., London, Ont.
Royal Crown Soaps, Ltd., Winnipeg.
Snap Co., Ltd., Montreal.
J. B. Ford Co., Wyandotte, Mich.

Water Pipe
E. W. Gillett Co., Ltd., Toronto.
Canadian Germicide Co., Ltd., Toronto.
J. B. Ford Co., Wyandotte, Mich.

Drain Pipe
E. W. Gillett Co., Ltd., Toronto.

CLOTHING, COOKS'
Corbett-Cowley, Ltd., Toronto.
Miller Men's Wear, Ltd., Toronto.

COMFORTERS
Canadian Feather & Mattress Co., Ltd., Toronto.
Corbett-Cowley, Ltd., Toronto.
Globe Bedding Co., Ltd., Winnipeg.
Geo. H. Hees, Son & Co., Ltd., Toronto.
Montreal Feather & Down Co., Montreal.
National Mattress, Felt & Batting Co., Toronto.
Toronto Feather & Down Co., Ltd., Toronto.

COOLERS, WATER
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Thos Davidson Mfg. Co., Ltd., Montreal.
Perfection Cooler Co., Ltd., Toronto.
Sheet Metal Products Co. of Can., Ltd., Toronto.
G. H. Wood & Co., Toronto.
Wrought Iron Range Co., Ltd., Toronto.

COTS, METAL
Atlas Metal Bed Mfg. Co., Ltd., Montreal.
Canadian Mersereau Co., Ltd., Toronto.
Ives Bedding Co., Ltd., Cornwall.
Simmons Limited, Montreal.
Stratford Bed Co., Ltd., Stratford.

CURTAIN MATERIAL
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto
Geo. H. Hees, Son & Co., Ltd., Toronto.
Daly & Morin, Ltd., Montreal.
Lace Goods Co., Ltd., Toronto.
Prime & Rankin, Ltd., Toronto.

CURLED HAIR
Delaney & Pettit, Ltd., Toronto.

CUTTERS, CLOTH
Brown Engineering Corpn., Ltd., Toronto.
Eastman Machine Co., Buffalo.
H. Naimin Co., Inc., New York.
W. J. Westaway Co., Ltd., Hamilton.

DESKS
Office Specialty Mfg. Co., Ltd., Toronto.
Canada Furniture Mfrs., Ltd., Woodstock, Ont.
Canadian Office & School Furniture Co., Ltd., Preston, Ont.
Globe-Wernicke Co., Ltd., Stratford, Ont.

DISINFECTANTS
Dustbane Products, Ltd., Ottawa.
J. F. Hartz Co., Ltd., Toronto.
Lehn & Fink (Canada), Ltd., Toronto.
Associated Chemical Co. of Canada, Ltd., Toronto.
Canadian Germicide Co., Ltd., Toronto.
Capo Polishes, Ltd., Hamilton.
Hygiene Products, Ltd., Montreal.
Lambert Pharmacal Co., Toronto.
Liquid Soap & Sanitary Products, Ltd., Toronto.
Polusterine Products Co. of Canada, Ltd., Toronto.
Soclean Limited, Toronto.
West Disinfecting Co., Montreal.
Woods Chemicals, Ltd., Montreal.

DISPENSERS
Liquid Soap
J. F. Hartz Co., Ltd., Toronto.
Liquid Soap & Sanitary Products Co., Toronto.
Polusterine Products Co. of Canada, Ltd., Toronto.
Soclean Limited, Toronto.

FILING EQUIPMENT
Office Specialty Mfg. Co., Ltd., Toronto.
Canada Furniture Mfrs., Ltd., Woodstock, Ont.
Canadian Office & School Furniture Co., Ltd., Preston, Ont.
Globe-Wernicke Co., Ltd., Stratford, Ont.
Steel Equipment Co., Ltd., Ottawa.

FINANCIAL CAMPAIGNS
Pierce & Hedrick, Inc., New York.
Kern, Mary Frances, Chicago.
Ward, Wells, Dreshman & Gates, New York.

FLOOR POLISH AND WAX
Dustbane Products, Ltd., Ottawa.
Associated Chemical Co. of Canada, Ltd., Toronto.
Imperial Oil, Ltd., Toronto.
Capo Polishes, Ltd., Hamilton.
Channell, Ltd., Toronto.
Geo. Cooke Co., Ltd., Toronto.
S. C. Johnson & Son, Ltd., Brantford, Ont.
Reckitts (Oversea), Ltd., Montreal.
Soclean Limited, Toronto.
Sturgeons, Ltd., Toronto.

GLOVES, RUBBER, HOUSEHOLD
Sterling Rubber Co., Ltd., Guelph, Ont.
Transparent Rubber Goods Co., Ltd., Galt, Ont.
Canadian Consolidated Rubber Co., Ltd., Montreal.
Ontario Rubber Co., Toronto.

GOWNS: PATIENTS', OPERATING
Corbett-Cowley, Ltd., Toronto.
Bland & Co., Ltd., Montreal.

INSECT POWDERS
Alpha Chemical Co., Ltd., Kitchener, Ont.
Associated Chemical Co. of Canada, Ltd., Toronto.
C. A. Cooch, Toronto.
G. H. Wood & Co., Toronto.

INVALID CHAIRS
Robert Simpson & Co., Ltd., Toronto
Gendron Mfg. Co., Ltd., Toronto

LABELS, WOVEN
J. & J. Cash, Inc., Belleville.
Narrow Fabric Weaving & Dyeing, Ltd., Galt, Ont.

LABORATORY FURNITURE
Central Scientific Co. of Canada, Ltd., Toronto.
Canadian Laboratory Supplies, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.
J. F. Hartz Co., Ltd., Toronto.
Metal Craft Co., Ltd., Grimsby, Ont.
Canadian Office & School Furniture Co., Ltd., Preston, Ont.
Sani-Products Co., Ltd., Toronto.

LINENS, BED
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Canadian Cottons, Ltd., Montreal.
Dominion Textile Co., Ltd., Montreal.
Dominion Linens, Ltd., Guelph, Ont.

LINEN MARKING EQUIPMENT
Beaver Laundry Machinery Co., Ltd., Toronto.
Applegate Chemical Co., Chicago.
National Marking Machine Co., Cincinnati.

MATS AND MATTING, RUBBER
Canadian Consolidated Rubber Co., Ltd., Montreal.
Canadian I. T. S. Rubber Co., Ltd., Toronto.
Dunlop Tire & Rubber Goods Co., Ltd., Toronto.
Gutta Percha & Rubber, Ltd., Toronto.
Seiberling Rubber Co. of Canada, Ltd., Toronto.

MATTRESS COVERS
Corbett-Cowley, Ltd., Toronto.
Marshall Ventilated Mattress Co., Ltd., Toronto.

MATTRESSES
T. Eaton Co., Ltd., Toronto.
Canadian Feather & Mattress Co., Ltd., Toronto.
Marshall Ventilated Mattress Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Arrow Bedding, Ltd., Toronto.
Canadian Bedding Co., Edmonton.
Fischman Spring Co., Ltd., Kitchener, Ont.
Globe Bedding Co., Toronto.
Gold Medal Bedding Co., Ltd., Montreal.
Simmons, Ltd., Montreal.
Standard Bedding Co., Ltd., Toronto.
Waterloo Bedding Co., Ltd., Waterloo, Ont.

MEMORIAL TABLETS
J. G. Tickell & Sons, Toronto.
Architectural Bronze & Iron Works, Toronto.
Dominion Bronze & Iron, Ltd., Winnipeg.
Robt. McCausland, Ltd., Toronto.
Robt. Mitchell Co., Ltd., Montreal.
Patterson & Heward, Ltd., Toronto.
Tallman Brass & Metal, Ltd., Hamilton.

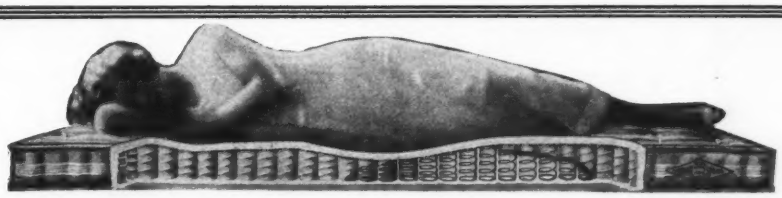
MIRRORS
Consolidated Plate Glass Co. of Canada, Ltd., Toronto.
Hobbs Mfg. Co., Ltd., London, Ont.
Ontario Plate Glass, Ltd., Hamilton.
Toronto Plate Glass Importing Co., Ltd., Toronto.

MOPS, COTTON
Dustbane Products, Ltd., Ottawa.
American Broom Co., St. Basile, Que.
Canada Broom Co., Montreal.
Soclean Limited, Toronto.
T. S. Simms & Co., Ltd., St. John, N.B.
Tarbox Bros., Toronto.

NAMES, WOVEN
J. J. Cash, Inc., Belleville.
Narrow Fabric Weaving & Dyeing, Ltd., Galt.

OIL CLOTH, TABLE AND FLOOR
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Dominion Oilcloth & Linoleum Co., Ltd., Montreal.

PAILS, GALVANIZED
Dustbane Products, Ltd., Ottawa.
McClary Mfg. Co., Ltd., London, Ont.
Sheet Metal Products Co. of Canada, Ltd., Toronto.
Soclean Limited, Toronto.
Thos. Davidson Mfg. Co., Ltd., Montreal.
E. T. Wright Co., Ltd., Hamilton.



FITS THE BODY

Comfort and Economy

are combined in the

MARSHALL INNER SPRING MATTRESS

Comfort for the patient, which in the opinion of the world's foremost physicians, often means more to the average convalescing patient than medicine.

Economy for the hospital — because Marshall Spring Mattresses retain their remarkable comfort years after ordinary mattresses would have become hard and uncomfortable or have been discarded altogether. They are an economy in the long run.

Ask your local furniture dealer to get you our special prices on hospital outfitting, or write us if you wish.

THE MARSHALL VENTILATED MATTRESS CO.
LIMITED

100 Lombard St. Toronto 2, Ont.

Inventors, perfectors and for 28 years manufacturers of the first and finest inner spring mattress.

OUR QUALITY APPAREL

is Made for Hospitals that are Tired of the *Extravagance* of Cheaper Lines

Style No. 300

HOUSE DOCTOR'S COAT

Made of bleached drill, this coat is neat and serviceable. It has the lay-down collar, three pockets, detachable buttons and pointed cuff on sleeve.

Prices:
Coat .....$28.00 doz.
Pants to match..$26.50 doz.

Style No. 700

ORDERLY'S COAT

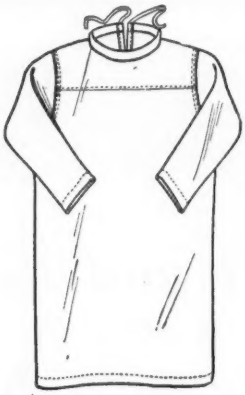
Made of good quality bleached duck, plain white or striped, medium high collar, three pockets, five detachable buttons, neat pointed cuff on sleeve.

Prices:
Plain white.....$22.00 doz.
Striped.....$23.00 doz.

Style No. 3200

NURSE'S OPERATING GOWN

Reg. Cuffs, $21.00 per doz.
Knitted Cuffs, $23.00 per doz.



Style No. 407

PATIENT'S BED GOWN

Standard length 40 in., opens down back, with linen buttons or tie tapes if preferred, reinforced with yoke both back and front.

Prices:
Marble Head, unbleached.....$10.00 per doz.
Marble Head, bleached.....$14.50 per doz.

Style No. 3700

SURGEON'S OPERATING GOWN

Reg. Cuffs, $21.00 per doz.
Knitted Cuffs, $23.00 per doz.

SALES TAX INCLUDED

Made in Canada by

CORBETT-COWLEY
Limited

All garments unconditionally guaranteed, as to both workmanship and material.

468 King St. W.
TORONTO

124 St. Antoine St.
MONTREAL

Quotations cheerfully submitted on special apparel for hospital use.

Introducing our

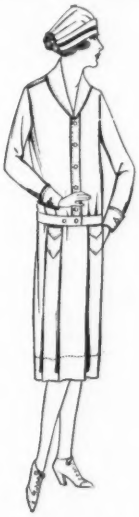
NEW CORLEY POPLIN

and

A Smart, New Style for Spring

Style No. 8100

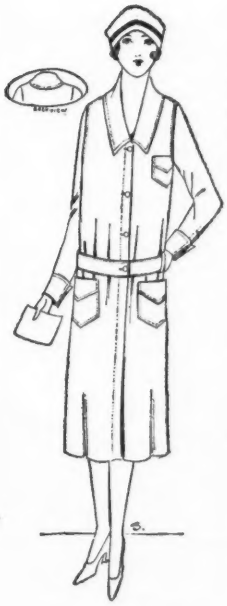
The New Corley Poplin is a special material made to our own specifications by one of the leading old country textile mills, who specialize in the weaving of the better grade of cloths made from the very finest of Egyptian long staple cotton yarns, which is bleached, mercerized and finished with that beautiful lustre that still remains after scores of washings, a finish that is known only to the English mills.



NEW STYLE
No. 8600

One-piece dress, closed from the waist down, "Tuxedo" collar. Shirt front, closing with detachable pearl buttons. Shirt cuffs closed with pearl cuff links. Two-button loose belt. Two knife pleats in each side of skirt. Six-inch skirt hem and full allowance made for shrinkage throughout.

Style No. 8400



Style No. 8300

This new Corley Poplin is much superior to any cloth used in the past for nurses' uniforms and though of much greater value than the poplin we have used in the past, we are offering **for the month of April, 1928, only,** a

Special Price of THREE for $15.00

Best Quality Middy Twill @ $3.50 each or 3 for $10.00

Made in any of our regular styles; including Sales Tax and Postage Paid to your address when money order accompanies your order.

Single Uniforms in Poplin @ $6.50 each

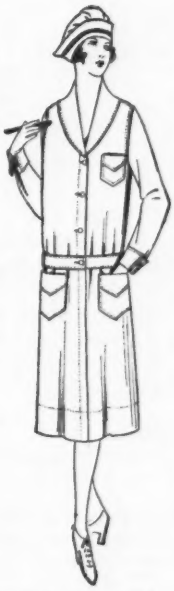
In ordering, give your Bust Measurement, Height and Weight

Made in Canada by

CORBETT-COWLEY
Limited

468 King St. W.
TORONTO

124 St. Antoine St.
MONTREAL



Style No. 8500

PAILS, WOODEN
Dustbane Products, Ltd., Ottawa.
Pacific Box Co., Ltd., Vancouver.
Soclean Limited, Toronto.
Wm. Cane & Sons Co., Ltd., Newmarket, Ont.
Keenan Woodenware Mfg. Co., Ltd., Owen Sound.

PAPER GOODS
Crepe Paper
Dennison Mfg. Co., Framingham, Mass.
Interlake Tissue Mills Co., Ltd., Toronto.

Paper Cups
Canadian Wm. A. Rogers, Ltd., Toronto.
Hygienic Products, Ltd., Montreal.
G. H. Wood & Co., Toronto.

Napkins, Tray Covers
Dennison Mfg. Co., Framingham, Mass.
E. B. Eddy Co., Ltd., Hull, Que.
Hygiene Products, Ltd., Montreal.
Interlake Tissue Mills Co., Ltd., Toronto.

Toilet Paper
E. B. Eddy Co., Ltd., Hull, Que.
Garden City Paper Mills Co., St. Catharines, Ont.
Interlake Tissue Mills Co., Ltd., Toronto.
Victoria Paper & Twine Co., Ltd., Toronto.

Paper Towels
Dennison Mfg. Co., Framingham, Mass.
Hygiene Products, Ltd., Montreal.
Interlake Tissue Mills Co., Ltd., Toronto.
G. H. Wood & Co., Toronto.

PILLOWS
Canadian Feather & Mattress Co., Ltd., Toronto.
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Fischman Spring Co., Kitchener, Ont.
Globe Bedding Co., Ltd., Winnipeg.
Geo. H. Hees, Son & Co., Ltd., Toronto.
Montreal Feather & Down Co., Ltd., Montreal.
Simmons, Limited, Montreal.
Standard Bedding Co., Ltd., Toronto.
Toronto Feather & Down Co., Ltd., Toronto.

PINS, NURSES'
A. E. Edwards, Toronto.
Ellis Brothers, Ltd., Toronto.
Trophy Craft, Ltd., Toronto.

RECEPTION ROOM FURNITURE
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Art Furniture Co., Ltd., Kitchener, Ont.
Canada Furniture Mfrs., Ltd., Woodstock, Ont.
Eastern Furniture Co., Ltd., Victoriaville, Que.
Elmira Furniture Co., Ltd., Elmira, Ont.
Gibbard Furniture Shops, Ltd., Napanee, Ont.
McLagan Furniture Co., Ltd., Stratford, Ont.
North America Furniture Co., Ltd., Owen Sound, Ont.

REGISTERS
Nurses', Physicians', etc.
Art Interchangeable Sign Co., Toronto.
Universal Register Co., Chicago.

CUSHIONS AND RINGS
J. F. Hartz Co., Ltd., Toronto.
Canadian Consolidated Rubber Co., Ltd., Montreal.
Ingram & Bell, Ltd., Toronto.
Seiberling Rubber Co. of Canada, Ltd., Toronto.

SAFES
Goldie & McCulloch Co., Ltd., Galt, Ont.
J. & J. Taylor Co., Ltd., Toronto.

SCRUBBING MACHINES
Dustbane Products, Ltd., Ottawa.
Finnell System, Inc., Elkhart, Ind.

SHOES, SCIENTIFIC
Cantilever Shoe Shops, Toronto.
Walk-Over Boot Shop, Toronto.
Taplin Natural Tread Shoes, Ltd., Toronto.

SOAPS, ANTISEPTIC
J. F. Hartz Co., Ltd., Toronto.
Associated Chemical Co. of Canada, Ltd., Toronto.
Beaver Soap Co., Ltd., Winnipeg.
Canadian Germicide Co., Ltd., Toronto.
Liquid Soap & Sanitary Products Co., Toronto.
Polusterine Products Co. of Canada, Ltd., Toronto.
Soclean Limited, Toronto.
West Disinfecting Co., Montreal.
Woods Chemicals, Ltd., Toronto.

SOAPS, CHIP
Dustbane Products, Ltd., Ottawa.
Albert Soap, Ltd., Montreal.
Beaver Soap Co., Ltd., Winnipeg.
Guelph Soap Co., Ltd., Guelph, Ont.
Palmolive Mfg. Co., Ltd., Toronto.
Proctor & Gamble Co. of Canada, Ltd., Toronto.
Soclean Limited, Toronto.

SOAPS, TOILET
Albert Soaps, Ltd., Montreal.
Colgate & Co., Ltd., Montreal.
Gold Dust Corpn., Ltd., Montreal.
Andrew Jergens Co., Ltd., Perth, Ont.
Lever Bros., Ltd., Toronto.
Palmolive Mfg. Co., Ltd., Toronto.
Polusterine Products Co. of Canada, Ltd., Toronto.
Proctor & Gamble Co. of Canada, Ltd., Toronto.
Royal Crown Soaps, Ltd., Montreal.
Sewards, Ltd., Ville St. Pierre, Que.
John Taylor & Co., Ltd., Toronto.

SPRINGS, WIRE BED
Marshall Ventilated Mattress Co., Ltd., Toronto.
Colleran Spring Bed Co., Ltd., Toronto.
Dominion Bedstead Co., Ltd., Montreal.
Gold Medal Furniture Co., Ltd., Toronto.
Ives Bedding Co., Ltd., Cornwall, Ont.
Leggett & Platt Spring Bed Co., Ltd., Windsor, Ont.
Simmons, Ltd., Montreal.
Steel Furnishing Co., Ltd., New Glasgow.
Way Sagless Spring Co., Ltd., Toronto.

SPRING, BOX
Canadian Feather & Mattress Co., Ltd., Toronto.
Marshall Ventilated Mattress Co., Ltd., Toronto.
Arrow Bedding, Ltd., Toronto.
Colleran Spring Bed Co., Ltd., Toronto.
Gold Medal Bedding Co., Ltd., Montreal.
Ideal Bedding Co., Ltd., Toronto.
Leggett & Platt Spring Bed Co., Ltd., Windsor, Ont.
Simmons, Ltd., Montreal.
Waterloo Bedding Co., Ltd., Waterloo, Ont.

TABLES, BEDSIDE, STEEL
J. F. Hartz Co., Ltd., Torouto.
Metal Craft Co., Ltd., Grimsby, Ont.
Ingram & Bell, Ltd., Toronto.
Sani-Products Co., Ltd., Toronto.
Steel Equipment Co., Ltd., Ottawa.

TOWELS AND TOWELLING
Linen and Union
Caldwell Linen Mills, Ltd., Iroquois, Ont.
Dominion Fabrics, Ltd., Dunnville, Ont.
Dominion Linens, Ltd., Guelph, Ont.

Cotton
Dominion Fabrics, Ltd., Dunnville, Ont.
Dominion Linens, Ltd., Guelph, Ont.
Dominion Textile Co., Ltd., Montreal.
Montreal Cottons, Ltd., Valleyfield, Que.
Stauffer-Dobbie, Ltd., Galt, Ont.

UNIFORMS, NURSES'
Corbett-Cowley, Ltd., Toronto.
T. Eaton Co., Ltd., Toronto.
Bland & Co., Ltd., Montreal.
Hampton Mfg. Co., Ltd., Montreal.

WINDOW SHADES
T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Daly & Morin, Ltd., Montreal.
Geo. H. Hees, Son & Co., Ltd., Toronto.

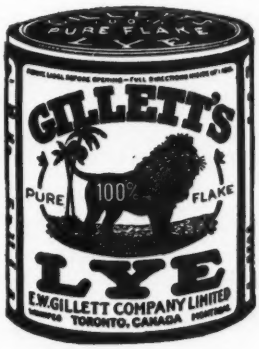
WRINGERS, MOP
Dustbane Products, Ltd., Ottawa.
Soclean Limited, Toronto.

Hospital Superintendents

should instruct their Nurses and Domestics to use

GILLETT'S PURE FLAKE LYE

for disinfecting sinks, closets and drains. It is also ideal for the cleansing of urinals and bed pans—in fact, any vessel that requires disinfecting. Gillett's Flake Lye should always be used for scrubbing hospital bath tubs and operating room floors.



For cleansing and disinfecting, dissolve one teaspoonful of Gillett's Lye in two gallons of water. The fine crystal flakes dissolve instantly in hot or cold water.

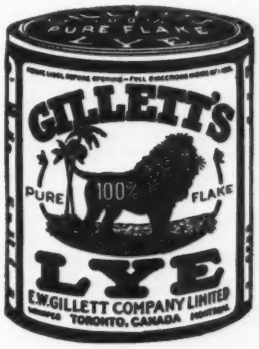
Beware of Imitations

Made only by

E. W. GILLETT COMPANY LIMITED

TORONTO, CANADA

WINNIPEG MONTREAL



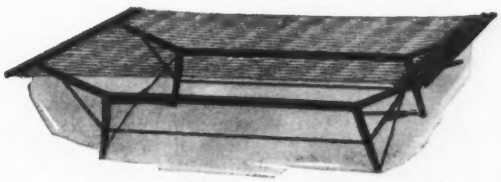
Something New—"Tuk-A-Way"

The Nurse's Folding Cot

For the Sick Room

A high-grade baked enamel bed, equipped with sagless spring

Comfortable and Durable



"Tuk-A-Way"

Compact. Size, opened 32 ins. x 72 ins. Folded 3½ x 4½ x 48 ins. Weight 25 lbs.

SET UP OR DISMANTLED IN ONE MINUTE

"Tuk-A-Way"

Spring fabric is closely and smoothly woven. A heavy blanket or light pad thrown over it will give maximum comfort.

An ideal bed for the sick room.

Write for descriptive circular and prices

Champion Folding Furniture Co.

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T. Eaton Co., Ltd., Toronto.
Herdt & Charton, Inc., Montreal.
Lewis Mfg. Co. of Canada, Ltd., Montreal.
Robert Simpson Co., Ltd., Toronto.
Smith & Nephew, Ltd., Montreal.
Hygienic Fibre Co., Inc., New York.
Hygienic Products, Ltd., Montreal.
Johnson & Johnson, Ltd., Montreal.

ABSORBENT COTTON SUBSTITUTES
Lewis Mfg. Co. of Canada, Ltd., Montreal.
Smith & Nephew, Ltd., Montreal.
Cellucotton Products Co., Chicago.
Hygienic Fibre Co., Inc., New York.

ADHESIVE PLASTER
Canadian Laboratory Supplies, Ltd., Toronto.
Lewis Mfg. Co. of Canada, Ltd., Montreal.
Smith & Nephew, Ltd., Montreal.
Johnson & Johnson, Ltd., Montreal.

ALCOHOL
Ethyl, Grain, Rubbing
Canadian Industrial Alcohol Co., Ltd., Montreal
Gooderham & Worts, Ltd., Toronto.
Standard Chemical Co., Ltd., Toronto.

AMBULANCES
General Motors Corpn., Ltd., Oshawa.
A. B. Greer & Son, London, Ont.
Smith Brothers, Toronto.

ANATOMICAL CHARTS
Central Scientific Co. of Canada, Ltd., Toronto.
J. F. Hartz Co., Ltd., Toronto.
Denoyer-Geppert Co., Chicago.
Kny-Scheerer Corpn. of America, New York.

ANESTHETICS
Chloroform, Ether, Gas-Oxygen
J. F. Hartz Co., Ltd., Toronto.
Queen City Dental Mfrs., Ltd., Toronto.
Mallinckrodt Chemical Works, Ltd., Montreal.
Toledo Technical Appliance Co., Toledo.
Canada Chemical Works, Ltd., Montreal.
Ethical Drug Products, Ltd., Toronto.
J. A. MacDonald, Phm.B., Toronto.
E. R. Squibb & Sons, New York.

Local
J. F. Hartz Co., Ltd., Toronto.
Queen City Dental Mfrs., Ltd., Toronto.

We are Agents and Distributors of the

National Aniline & Chemical Co's Products:—

BIOLOGICAL DYES
VITAL STAINS
STAINING SOLUTIONS
INDICATORS

National Certified Stains

Tested and approved by the Commission on Standardization of Biological Stains. This Commission is a co-ordinating committee on which are represented the Society of American Bacteriologists, the American Association of Anatomists, the Botanical Society of America, the American Chemical Society, the American Association of Pathologists and Bacteriologists, and the American Society of Zoologists.

Our list of certified stains is being extended as rapidly as possible in co-operation with the efforts of the Commission.

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Apparatus TRADE MARK CENCO REGISTERED **Chemicals**
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Abbott Laboratories, Ltd., Toronto.
Mallinckrodt Chemical Works, Ltd., Montreal.

ANESTHESIA APPARATUS
J. F. Hartz Co., Ltd., Toronto.
Queen City Dental Mfrs., Ltd., Toronto.
Toledo Technical Appliance Co., Toledo, Ohio.
Frank S. Betz Co., Hammond, Ind.
Ohio Chemical & Mfg. Co., Cleveland.
Safety Anesthesia Apparatus Concern, Chicago.

ARC LAMPS
Acme International X-Ray Co., Chicago.
Britesun, Inc., Chicago.
Burke Electric & X-Ray Co., Toronto.
M. B. Evans X-Ray Co., Toronto.
Victor X-Ray Corporation, Chicago and Toronto.
Chas. A. Branston Co., Toronto
Burdick Cabinet Co., Milton, Wis.
General X-Ray Co., Boston.
Hanovia Chemical & Mfg. Co., Newark, N.J.
Sanitarium and Hospital Equipment Co., Battle Creek, Mich.
Standard Engeln Corporation, Cleveland.

ATOMIZERS
Canadian Consolidated Rubber Co., Ltd., Montreal.
DeVilbiss Mfg. Co., Ltd., Windsor, Ont.

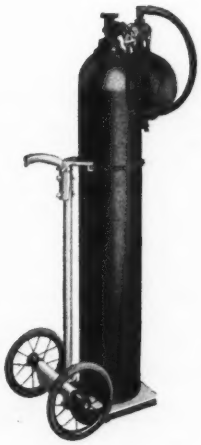
BARIUM SULPHATE
Burke Electric & X-Ray Co., Toronto.
M. B. Evans X-Ray Co., Toronto.
Kelley-Koett Mfg. Co., Inc., Covington, Ky.
Victor X-Ray Corporation, Toronto.
Acme-International X-Ray Co., Chicago.
Mallinckrodt Chemical Works, Ltd., Montreal.
Merck & Co., Inc., Montreal.
H. W. McCurdy Co., Toronto.
Dick X-Ray Co., St. Louis, Mo.
White X-Ray & Surgical Supply Co., Toronto.

BASSINETTES
Metal Craft Co., Ltd., Grimsby, Ont.
Eastern Furniture Co., Ltd., Victoriaville, Que.
Gem Crib & Cradle, Ltd., Kitchener, Ont.
Lea-Trimble Mfg. Co., Toronto.
Scanlan-Morris Co., Madison, Wis.

BATH TUBS
Stationary
Port Hope Sanitary Mfg. Co., Ltd., Port Hope, Ont.
Jas. Robertson Co., Ltd., Montreal.
Standard Sanitary Mfg. Co., Ltd., Toronto.

BEDS, ADJUSTABLE
T. Eaton Co., Ltd., Toronto.
Gendron Mfg. Co., Ltd., Toronto.

Let Us Quote You On
McKESSON APPLIANCES
We Carry a Complete Line of
ANESTHESIA APPARATUS AND SUPPLIES
Also Nitrous Oxide, Ethylene and Oxygen in any size cylinder.
QUEEN CITY DENTAL MANUFACTURERS
LIMITED
112 Carlton St. - Toronto 2, Canada
Agents for McKesson Appliances


McKesson Apparatus No. 330

Oxygen Therapy

The McKesson Apparatus No. 330 is constructed for the administration of high concentrations of oxygen in asthma, pneumonia, acute arthritis and other conditions in which oxygen is recognized as the best treatment.

It is also equipped for treatment of patients who have been overcome with automobile fumes, illuminating gas and other vapors.

This little outfit embodies the Automatic Valve controlled by the breathing of the patient, so that the treatment may be carried out by the patient in the home or by attendants in the hospital.

Write for information

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Manufacturers of Gas-Oxygen Machines, the Metabolor and Surgical Pump

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Robert Simpson Co., Ltd., Toronto.
Simmons, Ltd., Montreal.

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American Sterilizer Co., Erie, Pa.
Crane Company, Ltd., Montreal.
Scanlan-Morris Co., Madison, Wis.

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J. B. Lippincott Co., Montreal.
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William Wood & Co., New York.

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Beaver Flint Glass Co. of Toronto, Ltd., Toronto.
Dominion Glass Co., Ltd., Montreal.
Richards Glass Co., Ltd., Toronto.

Hot Water
Canadian Consolidated Rubber Co., Ltd., Montreal.
Seiberling Rubber Co. of Canada, Ltd., Toronto.

CHARTS
Central Scientific Co. of Canada, Ltd., Toronto.
Denoyer-Geppert Co., Chicago.

CHEMICAL REAGENTS
Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.

COTTON, ABSORBENT
See firms listed under "Absorbent Cotton."

COTS, All Kinds
Sterling Rubber Co., Ltd., Guelph, Ont.

CUTTERS, BANDAGE & GAUZE
Eastman Machine Co., Buffalo.
Naimin Co., Inc., New York.
Universal Cutter Co., St. Louis.

DENTAL INSTRUMENTS
Ash Temple Co., Ltd., Toronto.
S. S. White Co. of Canada, Ltd., Toronto.

DENTAL STERILIZERS
Wilmot Castle Co., Rochester, N.Y.
American Sterilizer Co., Erie, Pa.
Bramhall-Deane Co., New York.
Scanlan-Morris Co., Madison, Wis.

DENTAL SUPPLIES
Queen City Dental Mfrs., Ltd., Toronto.
Ash Temple Co., Ltd., Toronto.
L. D. Caulk Co. of Canada, Ltd., Toronto.
Crown Dental Laboratory, Toronto.
Dominion Dental Mfg. Co., Montreal.
Goldsmith Bros. Smelting & Refining Co., Ltd., Toronto.
S. S. White Co. of Canada, Ltd., Toronto.

DEEP THERAPY LAMPS
Britesun, Inc., Chicago.
Burke Electric & X-Ray Co., Toronto.
Victor X-Ray Corpn. of Canada, Ltd., Toronto.
M. B. Evans X-Ray Co., Detroit.
Branston, Chas. A., Ltd., Toronto.

DIATHERMY APPARATUS
Acme International X-Ray Co., Chicago.
Burke Electric & X-Ray Co., Toronto.
M. B. Evans X-Ray Co., Toronto.
Branston, Chas. A., Ltd., Toronto.
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DIPLOMAS
Ames & Rollinson, New York.
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In pyelitis and cystitis

TRADE **PYRIDIUM** MARK

A COLLOIDAL CONDENSATION PRODUCT OF
PHENYL-AZO-DIAMINO-PYRIDINE-HYDROCHLORIDES
(Manufactured by Pyridium Co., Ltd.)

Pyridium gradually accumulates in the tissues and organs of the genito-urinary system where it exerts its specific bactericidal effect

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Sole distributors in Canada

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Denoyer-Geppert Co., Chicago.
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Smith & Nephew, Ltd., Montreal.
Hygienic Fibre Co., Inc., New York.

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Central Scientific Co. of Canada, Ltd., Toronto.
Herdt & Charton, Inc., Montreal.
Sterling Rubber Co., Ltd., Guelph.
Transparent Rubber Goods Co., Toronto.
Herdt & Charton, Inc., Montreal.

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Kny-Scheerer Corporation of America, N.Y.
Vollrath Co., Cheboygan, Wis.
Wright & Co., Montreal.

ETHER
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J. A. Macdonald, Phm.B., Toronto.

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Faithorn Co., Chicago.
R. J. Lovell Co., Ltd., Toronto.

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T. Eaton Co., Ltd., Toronto.
Metal Craft Co., Ltd., Grimsby, Ont.
Robert Simpson Co., Ltd., Toronto.
Scanlan-Morris Co., Madison, Wis.
Simmons, Ltd., Montreal.
Steel Equipment Co., Ltd., Ottawa.

GAUZE
See firms listed under absorbent cotton.

GLASSWARE
Surgical, Complete Line
Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.
V. Mueller & Co., Chicago.
Richards Glass Co., Ltd., Toronto.

GLOVES, SURGEONS', NURSES'
Canadian Laboratory Supplies, Ltd., Toronto.
Sterling Rubber Co., Ltd., Guelph, Ont.
Canadian Consolidated Rubber Co., Ltd., Montreal.
Transparent Rubber Goods Co., Ltd., Toronto.

HYDROTHERAPY BATHS
Crane Company, Ltd., Montreal.
Standard Sanitary Mfg. Co., Ltd., Toronto.

IDENTIFICATION METHODS
Name Strips
Johnson & Johnson, Ltd., Montreal.

Necklaces
Deknatel, J. A., & Son, Inc., Queen's Village, Long Island, N.Y.

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Electro-Surgical Instrument Co., Rochester, N.Y.
V. Mueller & Co., Chicago.

Operating
T. Eaton Co., Ltd., Toronto.
J. F. Hartz Co., Ltd., Toronto.
Frank S. Betz Co., Hammond, Ind.
Kny-Scheerer Corporation of America, N.Y.
Ingram & Bell, Ltd., Toronto.
The Stevens Companies, Ltd., Toronto.
White X-Ray & Surgical Supply Co., Toronto.

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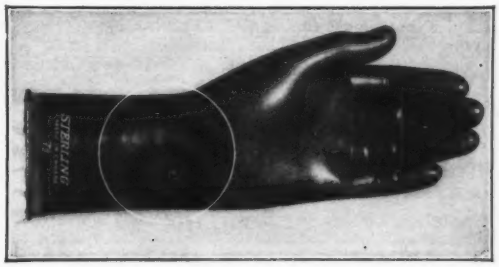
SURGEONS' GLOVES

They Clasp the Wrists Snugly and Comfortably



Sterling Surgeons' Gloves fit properly at the wrist without stretching beyond their normal shape.

Carefully designed equipment and skillfully handled materials result in a glove that fits so well you do not realize the glove is on your hand.

Sterling Rubber Company
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GUELPH - CANADA
Largest Specialists in SEAMLESS Rubber Gloves in the British Empire

The Old Established Hospital Supply House

Specializing in

Clinical and Scientific Equipment and Supplies, Pharmaceuticals, Drugs, Microscopic Goods

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LIMITED

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INSTRUMENTS, SCIENTIFIC

Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
T. Eaton Co., Ltd., Toronto.
J. F. Hartz Co., Ltd., Toronto.
Hughes Owens Co., Ltd., Montreal.
Robert Simpson Co., Ltd., Toronto
White X-Ray & Surgical Supply Co., Toronto.
Frank S. Betz Co., Hammond, Ind.
Kny-Scheerer Corporation of America, New York.
Taylor Instrument Companies, Ltd., Toronto.
Bausch & Lomb Optical Co., Rochester.

KNIVES

Detachable Blades

Bard-Parker Co., Inc., New York.

LABORATORY EQUIPMENT

Apparatus and Supplies

Canadian Laboratory Supply Co., Ltd., Toronto.
J. F. Hartz Co., Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.
Hughes Owens Co., Ltd., Montreal.

METABOLISM APPARATUS

Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Queen City Dental Mfrs., Ltd., Toronto.
Toledo Technical Appliance Co., Toledo, Ohio.

MATERNITY PADS

Lewis Mfg. Co. of Canada, Ltd., Montreal.
Smith & Nephew, Ltd., Montreal.

MECHANOTHERAPY

Massage Applicators

Burke Electric & X-Ray Co., Toronto.
Victor X-Ray Corporation, Toronto.

MICROSCOPES AND ACCESSORIES

Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
J. F. Hartz Co., Ltd., Toronto.
Hughes Owens Co., Ltd., Montreal.

The Hughes Owens Co., Limited

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CLINICAL THERMOMETERS
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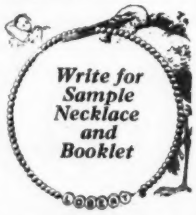
Montreal - Ottawa - Toronto - Winnipeg

NURSERY NAME NECKLACE

The Modern Baby Identification

is "*a positive identification of the new-born.*" Handsome blue bead necklace (with lettered beads spelling name) is tied and sealed on baby at birth. It cannot come off. Hospital staff (and mothers as well) like its rapidity, simplicity and infallibility. See it at Booth No. 19, American Nurses Association Convention, Louisville, June 4th to 8th.



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Denoyer-Geppert Co., Chicago.
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White X-Ray & Surgical Supply Co., Toronto.
Bausch & Lomb Optical Co., Rochester.
Spencer Lens Co., Buffalo.

MUSEUM JARS

Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.

PHARMACEUTICAL PREPARATIONS

Including Makers of Specialties and General Lines

DeShell Laboratories of Canada, Ltd., Toronto.
J. F. Hartz Co., Ltd., Toronto.
Herdt & Charton, Inc., Montreal.
Lehn & Fink (Canada), Ltd., Toronto.
Mallinckrodt Chemical Works, Ltd., Montreal.
Parke, Davis & Co., Walkerville, Ont.
Merck & Co., Inc., Montreal.
Abbott Laboratories, Toronto.
Arlington Chemical Co., Yonkers, N.Y.
Allen & Hanburrys Co., Ltd., Toronto.
Carter Cummings & Co., Toronto.
Chas. E. Frost & Co., Montreal.
Frank W. Horner, Ltd., Montreal.
Ingram & Bell, Ltd., Toronto.
Lyman's Limited, Montreal.
H. K. Mulford Co., Philadelphia.
National Drug & Chemical Co. of Canada, Ltd., Montreal.
Frederick Stearns & Co. of Canada, Ltd., Windsor, Ont.
E. R. Squibb & Sons, New York.
Henry K. Wampole & Co., Ltd., Perth, Ont.
W. R. Warner & Co., Ltd.,Toronto.
Waterbury Chemical Co. of Canada, Ltd., Toronto.
Wingate Chemical Co., Ltd., Montreal.

QUARTZ LAMPS

Acme International X-Ray Co., Chicago.
Britesun, Inc., Chicago.
Burke Electric & X-Ray Co., Toronto.
M. B. Evans X-Ray Co., Toronto.
Victor X-Ray Corporation, Chicago and Toronto.
Chas. A. Branston Co., Toronto.
Burdick Cabinet Co., Milton, Wis.
General X-Ray Co., Boston.
Hanovia Chemical & Mfg. Co., Newark, N.J.
Sanitarium and Hospital Equipment Co., Battle Creek, Mich.
Standard Engeln Corporation, Cleveland.

RINGS AND PILLOWS, RUBBER

Canadian Consolidated Rubber Co., Ltd., Montreal.
Seiberling Rubber Co. of Canada, Ltd., Toronto.

SCALES, BABY

J. F. Hartz Co., Ltd., Toronto.
Canadian Fairbanks-Morse Co., Ltd., Montreal.
International Business Machines Co., Ltd., Toronto.

SHEETING, RUBBER

Transparent Rubber Goods Co., Ltd. Galt.
Ontario Rubber Co., Toronto.
Canadian Consolidated Rubber Co., Ltd., Montreal.
Dunlop Tire & Rubber Goods Co., Ltd., Toronto.
I. B. Kleinert Rubber Co., Toronto.

STEREOPTICONS

Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal
Hughes Owens Co., Ltd., Montreal.
E. H. Sargent & Co., Chicago.
Bausch & Lomb Optical Co., Rochester.
Spencer Lens Co., Buffalo.

STEREOSCOPES

Acme International X-Ray Co., Chicago.
Burke Electric & X-Ray Co., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal
Hughes Owens & Co., Ltd., Montreal
Victor X-Ray Corporation, Toronto.
General X-Ray Co., Boston.
Standard Engeln Corporation, Cleveland.

STERILIZERS
Canadian Laboratory Supplies, Ltd., Toronto.
Castle, Wilmot Co., Rochester, N.Y.
American Sterilizer Co., Erie, Pa.
Barnstead Still & Sterilizer Co., Inc., Boston.
Barnstead Mfg. Co., Boston.
Bramhall Deane Co., New York.
Kny-Scheerer Corporation of America, New York.
Scanlan-Morris Co., Madison, Wis.
Max Wocher & Son Co., Cincinnati, Ohio.

STERILIZERS
Hot Oil
Castle, Wilmot Co., Rochester, N.Y.
Barnstead Still & Sterilizer Co., Boston.

STAINS
Canadian Laboratory Supplies, Ltd., Toronto.
Central Scientific Co. of Canada, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.

STERILIZER CONTROLS
A. W. Diack, Detroit, Mich.

SURGICAL AND MEDICAL Supply Dealers
J. F. Hartz Co., Ltd., Toronto.
Herdt & Charton, Inc., Montreal.
White X-Ray & Surgical Supply Co., Toronto.
Ingram & Bell, Ltd., Toronto.
J. Stevens & Son Co., Ltd., Toronto.
Lymans Limited, Montreal.
W. Lloyd Wood, Toronto.

SUTURES
Davis & Geck, Inc., Brooklyn, N.Y.
Herdt & Charton, Inc., Montreal.
Johnson & Johnson, Ltd., Montreal.

SYRINGES
Glass
Canadian Laboratory Supplies, Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.
Central Scientific Co. of Canada, Ltd., Toronto.
Herdt & Charton, Inc., Montreal.
Beckton, Dickinson & Co., Rutherford, N.J.
Max Wocher & Sons Co., Cincinnati, Ohio.

TABLES, OPERATING
J. F. Hartz Co., Ltd., Toronto.
Frank S. Betz Co., Hammond, Ind.
Kny-Scheerer Corporation of America, New York.
Scanlan-Morris Co., Madison, Wis.

THERMOMETERS, CLINICAL
Central Scientific Co. of Canada, Ltd., Toronto.
T. Eaton Co., Ltd., Toronto.
Fisher Scientific Co., Ltd., Montreal.
J. F. Hartz Co., Ltd., Toronto.
Hughes Owens Co., Ltd., Montreal.
Herdt & Charton, Inc., Montreal.
Robert Simpson Co., Ltd., Toronto.
Beckton, Dickinson & Co., Rutherford, N.J.
Taylor Instrument Co., Toronto.
White X-Ray & Surgical Supply Co., Toronto.

WASTE RECEPTACLES
J. F. Hartz Co., Ltd., Toronto.
Metal Craft Co., Ltd., Grimsby, Ont.
Soclean, Ltd., Toronto.
McClary Mfg. Co., Ltd., London.
Sheet Metal Products Co. of Canada, Ltd., Toronto.
Scanlan-Morris Co., Madison, Wis.

X-RAY APPARATUS
Acme-International X-Ray Co., Chicago.
Burke Electric & X-Ray Co., Toronto.
M. B. Evans X-Ray Co., Toronto.
Victor X-Ray Corporation of Canada, Ltd., Toronto.
General X-Ray Co., Boston.
Kelley-Koett Mfg. Co., Inc., Covington, Ky.

X-RAY PLATES, FILMS
Acme-International X-Ray Co., Chicago.
Burke Electric & X-Ray Co., Toronto.
M. B. Evans X-Ray Co., Toronto.
Victor X-Ray Corporation of Canada, Ltd., Toronto.
White X-Ray & Surgical Supply Co., Toronto
Canadian Kodak Co., Ltd., Toronto.

X-RAY FILM CABINETS
Burke Electric & X-Ray Co., Toronto.
J. & J. Taylor, Ltd., Toronto.

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Classroom Equipment
Dissectible Models,
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STERILIZATION Accepted the world over as a needed safety measure
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Ensure clear, neat and permanent identification.
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Canada's Leading Laboratory Supply House
Headquarters in Canada for Laboratory Apparatus and Chemical Reagents
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X-RAY ENGINEERS Limited
Complete X-Ray and Physio-Therapy Installations, Maintenance Service
Special Equipment Made to Order
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490 Yonge Street, Toronto **219 Medical Arts Bldg., Montreal**

SECTION E

Laundry Equipment and Supplies

ALKALIES
Beaver Laundry Machinery Co., Ltd., Toronto.
Brunner, Mond Canada, Ltd., Montreal.
J. B. Ford Co., Wyandotte, Mich.
R. Gardner Co., Toronto.

AMMONIA
Alpha Chemical Co., Ltd., Kitchener, Ont.
Canada Colors & Chemicals, Ltd., Toronto.
S. F. Lawrason & Co., London.
Pugsley, Dingman & Co., Ltd., Toronto.

BASKETS, LAUNDRY
Beaver Laundry Machinery Co., Ltd., Toronto.
Beatty Bros., Ltd., Fergus, Ont.
Brantford Willow Works, Brantford, Ont.
Canadian National Institute for the Blind, Toronto.
Willow Art Furniture Mfrs., Winnipeg.
Stratford Mfg. Co., Ltd., Stratford, Ont.

BINS, SORTING
Beaver Laundry Machinery Co., Ltd., Toronto.
Metal Craft Co., Ltd., Grimsby, Ont.
Geo. Sparrow & Co., Toronto.
Geo. B. Meadows, Ltd., Toronto.
Dennis Wire & Iron Works Co., Ltd., London, Ont.
Steel Equipment Co., Ltd., Ottawa.

BLEACH, LAUNDRY
Beaver Laundry Machinery Co., Ltd., Toronto.
Canadian Salt Co., Ltd., Windsor.

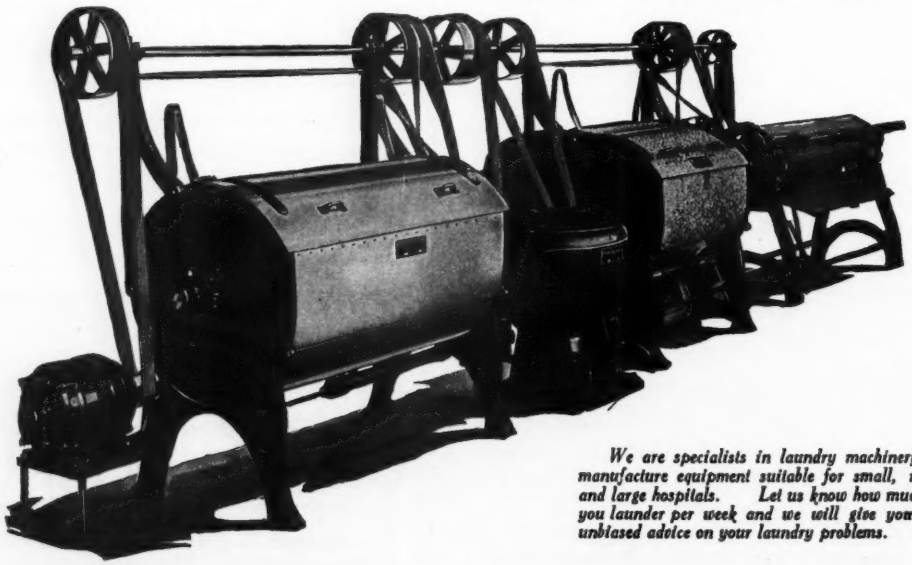
CAUSTIC SODA
Canadian Salt Co., Ltd., Windsor, Ont.
Howard Smith Paper Mills, Ltd., Montreal.
J. B. Ford Co., Wyandotte, Mich.

DETERGENTS
Beaver Laundry Machinery Co., Ltd., Toronto.
E. W. Gillett Co., Ltd., Toronto.
Alpha Chemical Co., Ltd., Kitchener.
J. B. Ford Co., Wyandotte, Mich.
Soclean, Ltd., Toronto.

DISINFECTORS, MATTRESS, CLOTHING
Castle, Wilmot Co., Rochester, N.Y.
American Sterilizer Co., Erie, Pa.
Barnstead Mfg. Co., Boston.

DRYERS
Beaver Laundry Machinery Co., Ltd., Toronto.
Geo. Sparrow & Co., Toronto.
Canadian Laundry Machinery Co., Ltd., Toronto.
Premier Laundry Machinery Co., Ltd., Montreal.

Is Your Laundry Plant Efficient ?



We are specialists in laundry machinery. We manufacture equipment suitable for small, medium and large hospitals. Let us know how much linen you launder per week and we will give you expert, unbiased advice on your laundry problems.

The Beaver Laundry Machinery Co., Limited
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ELECTRIC IRONS
Canadian Westinghouse Co., Ltd., Hamilton.
Canadian General Electric Co., Ltd., Toronto.
Canadian Radiant Electric Co., Grimsby, Ont.
National Electric Heating Co., Ltd., Toronto.

EXTRACTORS
See Firms listed under Dryers.

HEATERS, WATER
Canadian Heater Co., Hamilton.
Clare Bros. & Co., Ltd., Preston, Ont.
Jas. Morrison Brass Mfg. Co., Ltd., Toronto.
McClary Mfg. Co., London, Ont.
Mueller, Ltd., Sarnia, Ont.
Ruud Mfg. Co., Toronto.

INDELIBLE INK
Beaver Laundry Machinery Co., Ltd., Toronto.
Applegate Chemical Co., Chicago.
National Marking Machinery Co., Cincinnati.
Payson's Indelible Ink Co., Northampton, Mass.

IRONING MACHINES
Beaver Laundry Machinery Co., Ltd., Toronto.
Brantford Washing Machine Co., Ltd., Brantford, Ont.
Canadian Ironing Machine Co., Ltd., Woodstock, Ont.
Canadian Laundry Machinery Co., Ltd., Toronto.
Electric Household Utilities Corporation, Toronto.
Premier Laundry Machinery Co., Ltd., Montreal.

LYE
E. W. Gillett Co., Ltd., Toronto.

SOAPS, LAUNDRY
Beaver Soap Co., Ltd., Winnipeg.
Cudahy Packing Co., Toronto.
Gold Dust Corporation, Ltd., Montreal.
Lever Bros., Ltd., Toronto.
Palmolive Mfg. Co., Ltd., Toronto.
Proctor & Gamble Co. of Canada, Ltd., Toronto
Pugsley, Dingman & Co., Ltd., Toronto.
St. Croix Soap Mfg. Co., Ltd., St. Stephen, N.B.

STARCH
Canada Starch Co., Ltd., Montreal.
Beaver Laundry Machinery Co., Ltd., Toronto.
Keever Starch Co., Columbus, Ohio.
Pacific Starch Products, Ltd., New Westminster, B.C.

TABLES, IRONING
Beaver Laundry Machinery Co., Ltd., Toronto.
Taylor-Forbes Co., Ltd., Guelph, Ont.
Canadian Laundry Machinery Co., Ltd., Toronto.

TRUCKS
Geo. Sparrow & Co., Toronto.
W. S. Mahaffy Co., Toronto.
John Watson Mfg. Co., Ltd., Ayr, Ont.
Diamond State Fibre Co. of Canada, Ltd., Toronto.
Wire-Woven Wood Mfg. Co., Ltd., Woodbridge, Ont.

WASHERS
Beaver Laundry Machinery Co., Ltd., Toronto.
Electric Household Utilities Corp'n., Toronto.
Canadian Hoffman Machinery Co., Ltd., Toronto.
Canadian Ironing Machine Co., Ltd., Woodstock, Ont.
Canadian Laundry Machinery Co., Ltd., Toronto.
Guarantee Laundry Machinery Co., Winnipeg.
Premier Laundry Machinery Co., Ltd., Montreal.
Sumbling Machinery Co., Ltd., Toronto.
Toronto Laundry Machinery Co., Ltd., Toronto.
John Turner & Son, Toronto.

WATER-SOFTENING EQUIPMENT
Refinite Co. of Canada, Ltd., Toronto.
McClelland Engineering Co., Toronto.
Wayne Pump & Tank Co., Ltd., Toronto.
Canadian Allis-Chalmers, Ltd., Toronto.
National Equipment Co., Ltd., Toronto.
W. J. Westaway Co., Hamilton.

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⅔ TEXTILE SIZE
"Blended in Solution"

Cut finishing cost and time in half—

and increase the appearance of caps, gowns, uniforms, etc., 200 per cent.

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No cooking or preparing—use it RAW, over the wheel if you desire—mail the coupon below and try it out.

***The* KEEVER STARCH CO.**
Hospital Department
COLUMBUS, OHIO, U.S.A.

MAIL THIS COUPON FOR FREE TRIAL BAG

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Hospital .....
Address .....
City .....
Province .....

THIS COUPON GOOD FOR ONE FREE TRIAL BAG (3 pounds) OF SATIN FINISH SIZING

SECTION F

Food Service Equipment and Supplies

ALUMINUM WARE
Aluminum Co. of Canada, Limited, Toronto.
Geo. Sparrow & Company, Toronto.
Aluminum Ware Mfg. Co., Limited, Oakville, Ont.
Cassidy's, Limited, Montreal.
Sheet Metal Products Co., of Canada, Ltd., Toronto.
Wrought Iron Range Co., Limited, Toronto.

BREAD RACKS
Geo. Sparrow & Co., Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
Brantford Oven & Rack Co., Ltd., Brantford.
Regal Kitchens, Limited, Montreal.
Steel Trough & Machine Co., Ltd., Tweed, Ont.
Wrought Iron Range Co., Limited, Toronto.

BREAD AND MEAT SLICERS
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
A. J. Deere Co., Limited, Toronto.
Gurney Foundry Co., Ltd., Toronto.
Hobart Mfg. Company, Toronto.
International Business Machines, Ltd., Toronto.
Regal Kitchens, Limited, Montreal.
Wrought Iron Range Co., Ltd., Toronto.

BUTCHER BLOCKS
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Regal Kitchens, Limited, Montreal.
Toronto Butchers' Supply Co., Ltd., Toronto.
Wrought Iron Range Co., Limited, Toronto.

CABINETS, FOOD
Metal Craft Co., Limited, Grimsby, Ont.
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Brantford Oven & Rack Co., Limited, Brantford, Ont.
Regal Kitchens, Limited, Montreal.
Steel Equipment Co., Limited, Ottawa.
Wrought Iron Range Co., Ltd., Toronto.

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Crockery, Silver and Glassware
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GEO. R. PROWSE RANGE CO.
LIMITED
High-Grade Kitchen Equipment for Hospitals, etc.
2025 UNIVERSITY ST. - MONTREAL

CANOPIES, HOODS
Metal Craft Co., Limited, Grimsby, Ont.
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Brantford Oven & Rack Co., Ltd., Brantford, Ont.
Gurney Foundry Co., Limited, Toronto.
McClary Mfg. Co., London, Ont.
Regal Kitchens, Limited, Montreal.
Wrought Iron Range Co., Limited, Toronto.

CHOPPING MACHINES
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Wrought Iron Range Co., Ltd., Toronto.

CHINA
British & Colonial Trading Co., Ltd., Toronto.
T. Eaton Co., Limited, Toronto.
Cassidy's, Limited, Montreal.
Nerlich & Company, Toronto.

CONVEYORS, FOOD
Metal Craft Co., Limited, Grimsby, Ont.
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Brantford Oven & Rack Co., Limited, Brantford, Ont.
McClary Mfg. Co., Ltd., Montreal.
Regal Kitchens, Limited, Montreal.
Wrought Iron Range Co., Limited, Toronto.

COOKING UTENSILS
Aluminum Co., of Canada, Limited, Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Cassidy's, Limited, Montreal.
Ideal Aluminum Products, Limited, Toronto.
McClary Mfg. Co., London, Ont.
Regal Kitchens, Limited, Montreal.
Sheet Metal Products of Canada, Ltd., Toronto.
Thos. Davidson Mfg. Co., Limited, Montreal.
Wrought Iron Range Co., Limited, Toronto.

COOKS' CLOTHING
Corbett-Cowley, Limited, Toronto.

CUTLERY
British & Colonial Trading Co., Ltd., Toronto.
T. Eaton Co., Limited, Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
Robert Simpson Co., Ltd., Toronto.
Geo. Sparrow & Company, Toronto.
Cassidy's, Limited, Montreal.
Canadian Wm. A. Rogers, Limited, Toronto.
International Silver Co., of Canada, Limited, Toronto.
McGlashan Clark Co., Limited, Niagara Falls, Ont.
Wm. Rogers Mfg. Co., Limited, Niagara Falls, Ont.
Wrought Iron Range Co., Limited, Toronto.

DISHWASHING MACHINES
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Wrought Iron Range Co., Limited, Toronto.
Crescent Washing Machine Co., New Rochelle, N.Y.
London Metal Products, Limited, London, Ont.
Regal Kitchens, Limited, Montreal.

DISHWASHING CLEANERS
Dustbane Products, Ltd., Ottawa.
E. W. Gillett Co., Limited, Toronto.
Soclean Limited, Toronto.

Alpha Chemical Co., Limited, Kitchener, Ont.
Cudahy Packing Company, Toronto.
Gold Dust Corporation, Montreal.
Lever Brothers, Limited, Toronto.
Pugsley, Digman & Co., Limited, Toronto.
Royal Crown Soaps, Limited, Winnipeg.

GLASS TUMBLERS, ETC

British & Colonial Trading Co., Ltd., Toronto.
Cassidy's, Limited, Montreal.
Consumers' Glass Co., Limited, Ville St. Pierre, Que.
Dominion Glass Co., Limited, Montreal.
Nerlich & Company, Toronto.

KETTLES, STEAM-JACKETTED

Aluminum Co. of Canada, Limited, Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Booth-Coulter Copper & Brass Co., Ltd., Toronto.
McClary Mfg. Co., London, Ont.
Sheet Metal Products Co. of Canada, Ltd., Toronto.
Wrought Iron Range Co., Limited, Toronto.

MIXING MACHINES

Pendrith Machinery Co., Ltd.. Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Company, Toronto.
Fletcher Mfg. Co., Limited, Toronto.
Regal Kitchens, Limited, Montreal.
Wrought Iron Range Co., Limited, Toronto.

POTATO PEELING MACHINES

Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Regal Kitchens, Limited, Montreal.
Wrought Iron Range Co., Ltd., Toronto.

OVENS, BAKING

Hubbard Portable Oven Co., Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
Pendrith Machinery Co., Ltd., Toronto.
Geo. Sparrow & Co., Toronto.
Brantford Rack & Oven Range Co., Ltd., Brantford, Ont.
Fletcher Mfg. Co., Ltd., Toronto.
Regal Kitchens. Limited, Montreal.
Wrought Iron Range Co., Ltd., Toronto.

PAPER GOODS

See Firm listed under Paper Goods in Section B.

RANGES

Electric

Canadian Westinghouse Co., Limited, Hamilton, Ont.
Beach Foundry, Limited, Ottawa.
Canadian General Electric Co., Limited, Toronto.
Gurney Foundry Co., Limited, Toronto.
McClary Mfg. Co., London, Ont.
Moffats, Limited, Weston, Ont.

Gas

Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
McClary Mfg. Co., London, Ont.
Wrought Iron Range Co., Ltd., Toronto.
Beach Foundry Limited, Ottawa.
Consumers' Gas Co., Toronto.
Regal Kitchens, Ltd., Montreal.

Heavy Duty

Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Canadian General Electric Co., Ltd., Toronto.
McClary Mfg. Co., London, Ont.
Regal Kitchens, Ltd., Montreal.
Wrought Iron Range Co., Ltd., Toronto.

REFRIGERATORS

T. Eaton Co., Ltd., Toronto.
Robert Simpson Co., Ltd., Toronto.
Canadian Jewett Refrigerator Co., Bridgeburg, Ont.
Eureka Refrigerator Co., Ltd., Owen Sound, Ont.

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A New Development in Hubbard Portable Ovens Combining the same Outstanding Features of Low First Cost and Baking Efficiency with the Added Advantage of Compactness.

As one Toronto customer said:

"I bake 17 hours a day and my gas bill has averaged $20.00 a month." This is less than 5c an hour for fuel, which is very low for an oven of this large capacity.

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Linde Canadian Refrigerator Co., Ltd., Montreal.
Renfrew Refrigerator Co., Ltd., Renfrew, Ont.
Sanderson-Harold Co., Ltd., Paris, Ont.

REFRIGERATING MACHINERY
Canadian Ice Machine Co., Ltd., Toronto.
Frigidaire Corp'n, Toronto.
J. L. Wilson & Sons, Toronto.
Keith Electric Refrigerator Co., Ltd., Leaside, Ont.
Kelvinator of Canada, Ltd., Toronto.
Linde Canadian Refrigerator Co., Ltd., Montreal.

SCALES, KITCHEN
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Wrought Iron Range Co., Ltd., Toronto.
Canadian Fairbanks-Morse Co., Ltd., Montreal.
Canadian Toledo Scale Co., Ltd., Windsor, Ont.
Gurney Scale Co., Ltd., Hamilton.
International Business Machines Co., Ltd., Toronto.
Wilson Scale & Machinery Corpn., Ltd., Toronto.

SLICERS
See Firms Listed under Bread and Meat Slicers in this Section.

SILVER
Hollow and Flatware
See Firms listed under Cutlery in this Section.

SINKS
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Wrought Iron Range Co., Ltd., Toronto.
Crane, Ltd., Montreal.
James Robertson Co., Ltd., Montreal.
Standard Sanitary Mfg. Co., Ltd., Toronto.

TABLES, BAKERS'
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Brantford Oven & Rack Co., Ltd., Brantford, Ont.
Regal Kitchens, Ltd., Montreal.
Wrought Iron Range Co., Ltd., Toronto.

TABLES, STEAM
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
McClary Mfg. Co., London.
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Regal Kitchens, Ltd., Montreal.

TOASTERS, ELECTRIC
Canadian Westinghouse Co., Ltd., Hamilton.
Geo. Sparrow & Co., Toronto.
Canadian General Electric Co., Ltd., Toronto.
Canadian Radiant Electric Co., Grimsby. Ont.
Equator Mfg. Co., Ltd., Hamilton.
National Electric Heating Co., Ltd., Toronto.
Renfrew Electric Products, Ltd., Grimsby, Ont.

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Vitrified
Sani-Products Co., Ltd., Toronto.
Vitrolite Company, Toronto.

Monel Metal
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Brantford Oven & Rack Co., Ltd., Brantford, Ont.
International Nickel Co., New York.
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British & Colonial Trading Co., Ltd., Toronto.
Geo. R. Prowse Range Co., Ltd., Montreal.
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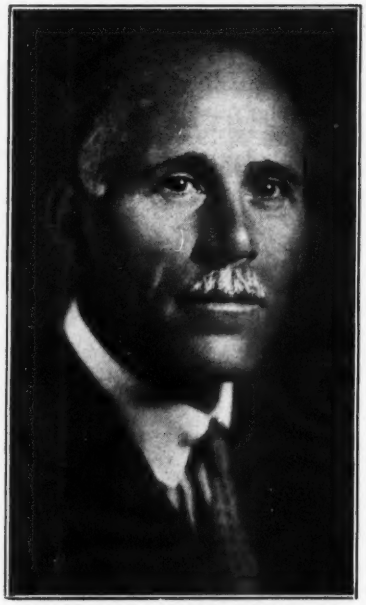
Cassidy's, Ltd., Montreal and Toronto.
Malcolm & Souter Furniture Co., Ltd., Hamilton.
Otterville Mfg. Co., Ltd., Otterville, Ont.
Wrought Iron Range Co., Ltd., Toronto.



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Surgeon-in-Chief
St. Michael's Hospital, Toronto

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Geo. Sparrow & Co., Toronto.
Booth-Coulter Copper & Brass Co., Ltd., Toronto.
Cassidy's, Ltd., Montreal and Toronto.
Gurney Foundry Co., Ltd., Toronto.
Regal Kitchens, Ltd., Montreal.
Wrought Iron Range Co., Ltd., Toronto.

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Geo. Sparrow & Co., Toronto.
Brantford Oven & Rack Co., Ltd., Brantford, Ont.
Cassidy's, Ltd., Montreal and Toronto.
Regal Kitchens, Ltd., Montreal.
Wrought Iron Range Co., Ltd., Toronto.

VACUUM BOTTLES
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Geo. Sparrow & Company, Toronto.
Wrought Iron Range Co., Ltd., Toronto.
Cassidy's, Limited, Montreal and Toronto.
Thermos Bottle Co., Ltd., Toronto.

WARMERS
Dish and Food
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Geo. Sparrow & Co., Toronto.
Brantford Oven & Rack Co., Ltd., Brantford, Ont.
Gurney Foundry Co., Ltd., Toronto.
McClary Mfg. Co., Ltd., London, Ont.
Regal Kitchens, Ltd., Montreal.
Wrought Iron Range Co., Ltd., Toronto.

WATER COOLERS
Geo. R. Prowse Range Co., Ltd., Montreal.
Geo. Sparrow & Co., Toronto.
Thos. Davidson Mfg. Co., Ltd., Montreal.
McClary Mfg. Co., London, Ont.
Perfection Cooler Co., Ltd., Toronto.
Sheet Metal Products Co. of Canada, Ltd., Toronto.
G. H. Wood & Co., Toronto.
Wrought Iron Range Co., Ltd., Toronto.

SECTION G

Foods and Beverages

APPLES, CANNED
Canadian Canners, Ltd., Hamilton.
Harvest Co., Ltd., Hamilton.
Libby, McNeill & Libby of Canada, Ltd., Chatham.
Okanagan Packers, Ltd., Kelowna, B.C.
Vineland Canners, Ltd., Vineland Station, Ont.

APRICOTS, CANNED
Canadian Canners, Ltd., Hamilton.
Libby, McNeill & Libby of Canada, Ltd., Chatham, Ont.

BAKING POWDER
E. W. Gillett Co., Ltd., Toronto.
Coleman Baking Powder, Ltd., Brockville, Ont.
Dalton Bros., Ltd., Toronto.
Egg-O Baking Powder Co., Ltd., Hamilton.
MacLarens, Ltd., Hamilton.
Mayer Co., Ltd., Winnipeg.
Ocean Mills, Ltd., Montreal.
Pure Gold Mfg. Co., Ltd., Toronto.
White Swan Spice & Cereals, Ltd., Toronto.

BEEF EXTRACTS
Bovril, Ltd., Montreal.
Joseph Picard, Montreal.

BISCUITS
Canada Biscuit Co., Ltd., Toronto.
Canada Bread Co., Ltd., Toronto.
Christie Brown & Co., Ltd., Toronto.
David & Frere, Montreal.
Moirs, Ltd., Halifax.
Geo. Weston, Ltd., Toronto.

BRAN
Kellogg Co. of Canada, Ltd., London, Ont.
Canadian Postum Cereal Co., Ltd., Toronto.
Good Health Food Co., Ltd., London, Ont.

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Canadian Postum Cereal Co., Ltd., Toronto.
Good Health Food Co., Ltd., London, Ont.
Quaker Oats Company, Peterborough, Ont.
Robin Hood Mills, Ltd., Calgary.
Roman Meal Co., Ltd., Toronto.
White Swan Spices & Cereals, Ltd., Toronto.

BUTTER
Bowes Co., Ltd., Toronto.
British Mfrs. Corpn., Ltd., Vancouver.
Brookfield Creamery Co., Ltd., Brookfield, N.S.
City Dairy Co., Ltd., Toronto.
Wm. Davies Co., Ltd., Toronto.
Harris Abattoir Co., Ltd., Toronto.
Montreal Dairy Co., Ltd., Montreal.
Swift Canadian Co., Ltd., Toronto.
Whyte Packing Co., Ltd., Stratford, Ont.

CEREALS
See Firms Listed under Breakfast Foods.

CHOCOLATE
Walter Baker & Co., Ltd., Montreal.
Cowan Co., Ltd., Toronto.
J. S. Fry & Sons (Canada), Ltd., Montreal.
Walter M. Lowney Co. of Canada, Ltd., Montreal.
Todhunter, Mitchell & Co., Toronto.

COCOA
See Firms Listed under Chocolate

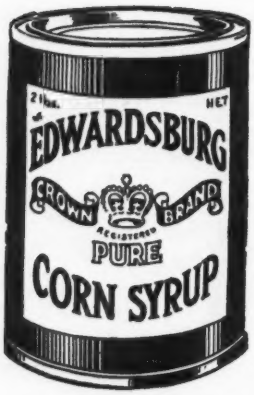
COCOANUT
Canadian Cocoanut Co., Montreal.
Pilliner Products, Ltd., Waterloo, Ont.
Leopold Schepp Co., Toronto.
Wilson Chemical Co., Ltd., St. John, N.B.

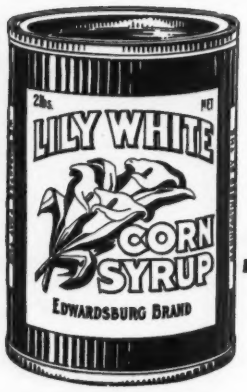
COFFEE
W. G. Patrick & Co., Ltd., Toronto.
Wm. Braid & Co., Ltd., Vancouver.
Campbell Bros. & Wilson, Ltd., Winnipeg.
Canada Spice & Specialty Mills, Ltd., St. John, N.B.
Chase & Sanborn, Montreal.
Dalton Bros., Ltd., Toronto.
Eby-Blain, Ltd., Toronto.
Gorman Eckhert & Co., Ltd., London, Ont.
R. B. Hayhoe & Co., Toronto.
MacLarens, Ltd., Hamilton.
Pure Gold Mfg. Co., Ltd., Toronto.
White Swan Spice & Cereals, Ltd., Toronto.

CONDIMENTS
See Firms Listed under Coffee.

CORN SYRUPS
Canada Starch Co.. Ltd., Montreal.
St. Lawrence Starch Co., Ltd., Port Credit, Ont.
Dalton Bros., Ltd., Toronto.

DESSERTS
W. G. Patrick & Co., Ltd., Toronto.
Eby-Blain, Ltd., Toronto.
Gorman Eckhert & Co., Ltd., London, Ont.
R. B. Hayhoe & Co., Toronto.
Harry Horne Co., Ltd., Toronto.
Imperial Extract Co., Ltd., Toronto.





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Pure Gold Mfg. Co., Ltd., Toronto.
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Jireh Food Co., Brockville, Ont.
MacDowell Brothers, Brockville, Ont.
White Swan Spices & Cereals, Ltd., Toronto.

FLAVOURING EXTRACTS
See Firms Listed under Desserts

FLOUR

Barley
F. L. Green, Greenwood, Ont.
Vancouver Milling & Grain Co., Ltd., Vancouver.

Diabetic—See under Diabetic Flour.

Gluten
Jireh Food Co., Brockville, Ont.
MacDowell Brothers, Brockville, Ont.
Milquo, Ltd., Hamilton.

Graham
Dresden Flour Mills, Ltd., Dresden, Ont.
F. L. Green, Greenwood, Ont.
Ottawa Valley Flour Mills, Ltd., Renfrew, Ont.
White Swan Spices & Cereals, Ltd., Toronto.
Winkler Milling Co., Winkler, Man.

Wheat
Maple Leaf Milling Co., Ltd., Toronto.
Ogilvie Flour Mills Co., Ltd., Montreal.
Robin Hood Mills, Ltd., Calgary.
St. Lawrence Flour Mills Co., Ltd., Montreal.
Western Canada Flour Mills Co., Ltd., Toronto.

Whole Wheat
Western Canada Flour Mills Co., Ltd., Toronto.
White Swan Spices & Cereals, Ltd., Toronto.
Winkler Milling Co., Winkler, Man.

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Acadia Canners, Ltd., Kingston Station, N.S.
British Columbia Fruit Growers' Co., Ltd., Mission City, B.C.
Canadian Canners, Ltd., Hamilton.
Harvest Co., Ltd., Hamilton.
A. & R. Loggie Co., Ltd., Loggieville, N.S.
Okanagan Packers, Ltd., Kelowna, B.C.
Old City Mfg. Co., Ltd., Quebec, Que.
Vineland Canners, Ltd., Vineland Station, Ont.
Waddell's, Ltd., Brantford, Ont.

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Also Ginger Beer, etc.
Blue Label Bottling Co., Ltd., Calgary.
Blue Ribbon Beverage Co., St. John, N.B.
Caledonia Springs Co., Ltd., Montreal.
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Douglas & King, Ltd., Edmonton, Alta.
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O'Keefe's Beverages, Ltd., Toronto.
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Mead, Johnson & Co., Ltd., Belleville, Ont.
Milk Foods, Ltd., Gananoque, Ont.
Dr. Middleton's Food Products Co., Ltd., Vancouver.
Nestles Food Co. of Canada, Ltd., Montreal.

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Canadian Canners, Ltd., Hamilton.
Dominion Preserving Co., Ltd., Montreal.
Glassco, Ltd., Oakville, Ont.
Harvest Co., Ltd., Hamilton.
Lindners, Ltd., Brampton, Ont.
National Canners, Ltd., Vancouver.
Old City Mfg. Co., Ltd., Quebec.
St. Williams Preservers, Ltd., Simcoe, Ont.
E. D. Smith & Sons, Ltd., Winona, Ont.
Wagstaffe, Ltd., Hamilton.
J. H. Wethey, Ltd., St. Catharines, Ont.

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Borden Co., Ltd., Montreal.
Canadian Milk Products, Ltd., Toronto.
Carnation Milk Products Co., Ltd., Aylmer, Ont.
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Nestles Food Co. of Canada, Ltd., Montreal.

OILS
Cooking and Salad
Canada Starch Co., Ltd., Montreal.
Holsum Products, Ltd., Victoria, B.C.

OLIVE OIL
W. G. Patrick & Co., Ltd., Toronto.
Gorman Eckhert & Co., Ltd., London, Ont.
H. J. Heinz Co., Toronto.

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California Fruit Growers' Exchange, Toronto.

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Wm. Davies Co., Ltd., Toronto.
Grimsby Pickle Co., Ltd., Grimsby, Ont.
H. J. Heintz Co., Toronto.
Libby, McNeill & Libby of Canada, Ltd., Chatham, Ont.
White Star Mfg. Co., Ltd., Winnipeg.

SOUPS
Canadian Canners, Ltd., Hamilton.
W. Clark, Montreal.
H. J. Heintz Co., Toronto.

SYRUPS
Corn
Canada Starch Co., Ltd., Montreal.

Maple
Beaver Maple Products, Ltd., Whitby, Ont.
Bowes Co., Ltd., Toronto.
Canadian Maple Products, Ltd., Toronto.
L. L. Jenne Maple Syrup & Sugar Co., Ltd., Sutton, Que.
Maple Tree Products Assn., Ltd., Montreal.
Quebec Preserving, Ltd., Quebec.

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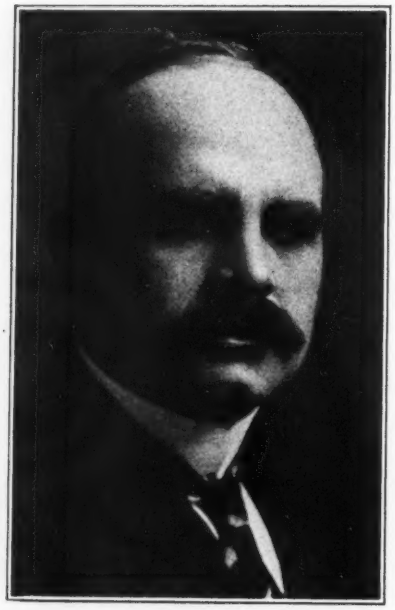

DR. H. R. SMITH
Medical Superintendent
Royal Alexandra Hospital, Edmonton

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DR. L. A. LESSARD
Superintendent
Notre Dame Hospital, Montreal

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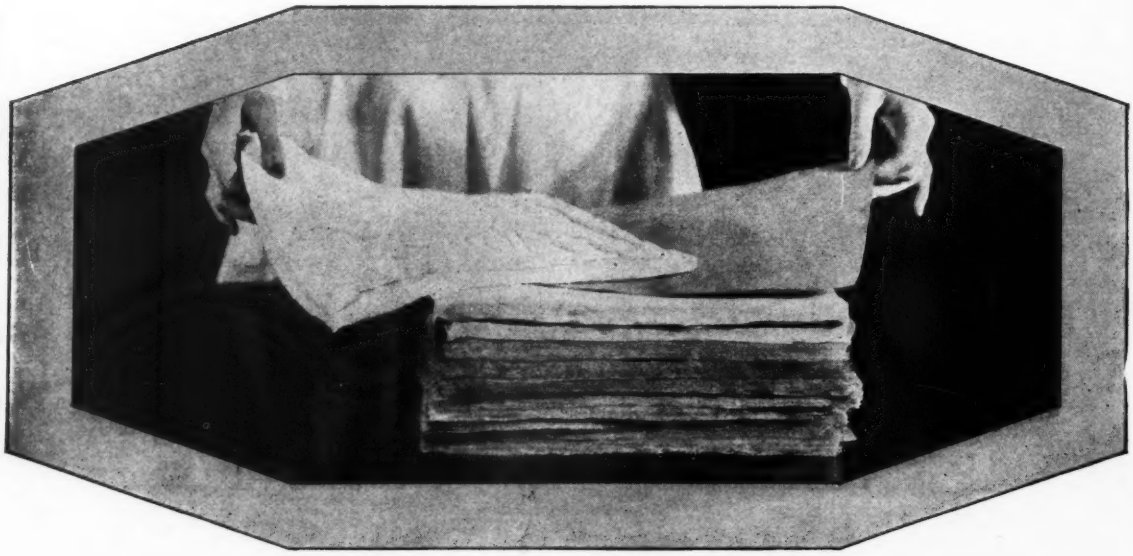

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